

10/552371

Fig. 2

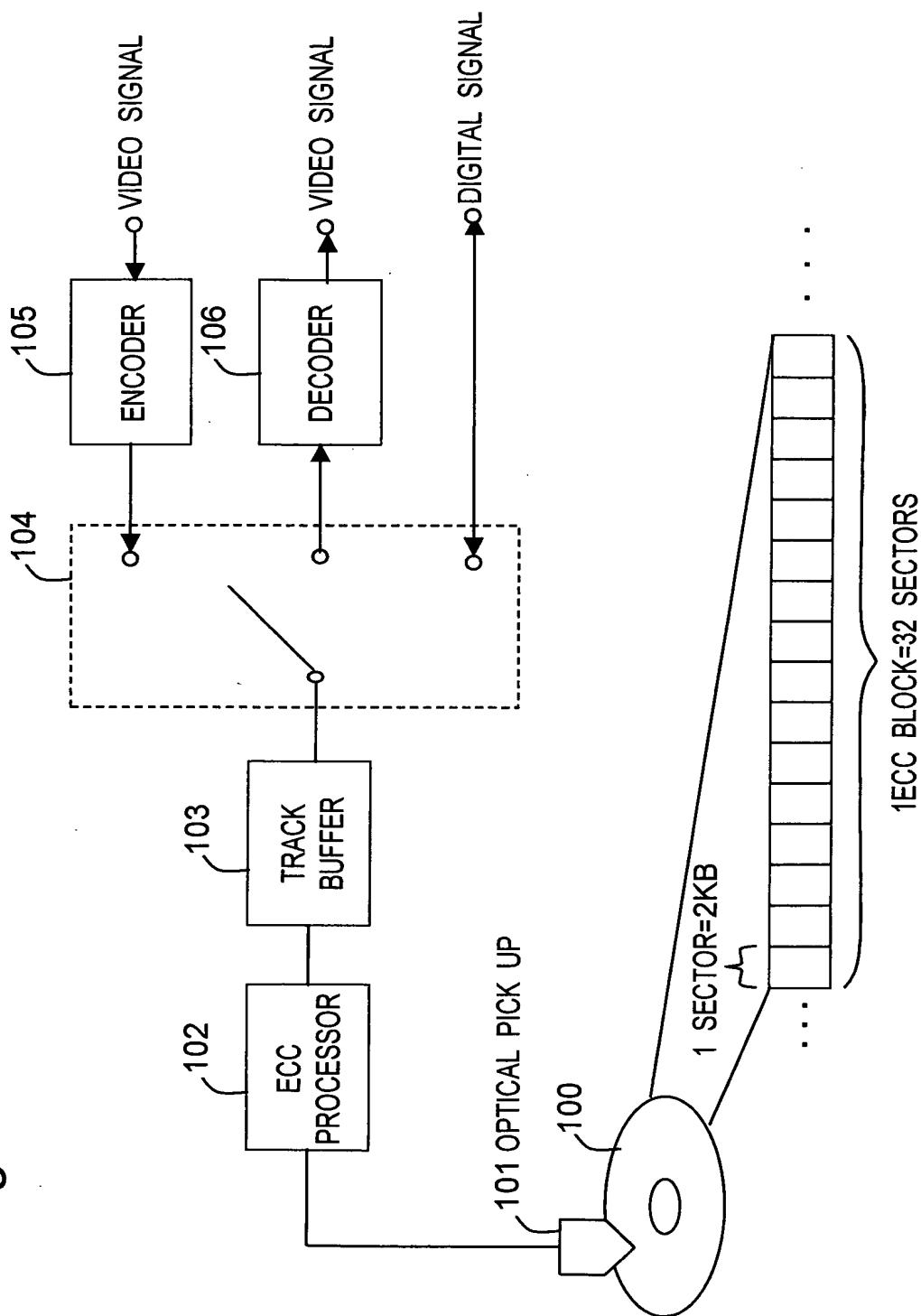


Fig. 3A

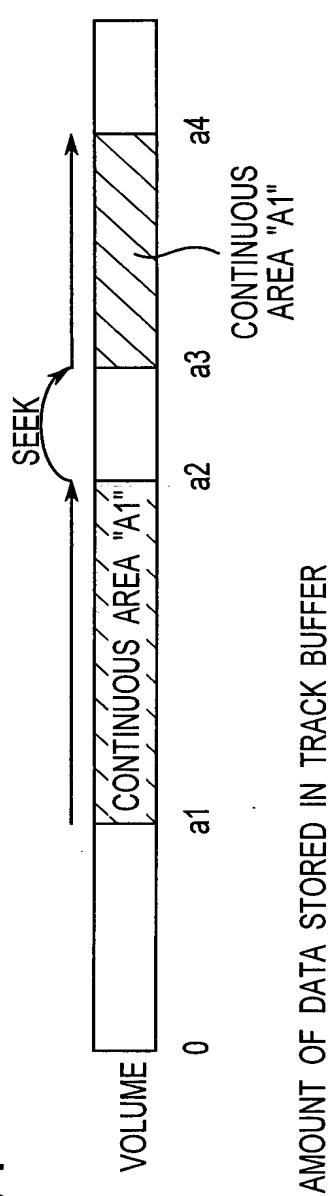
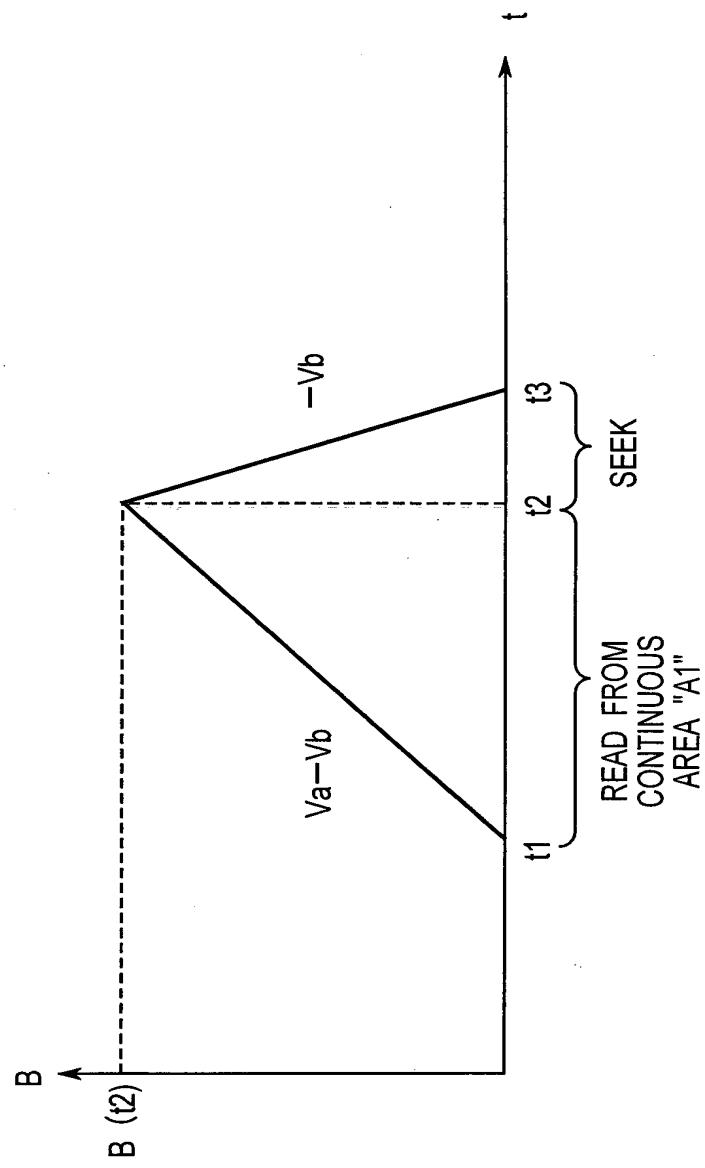
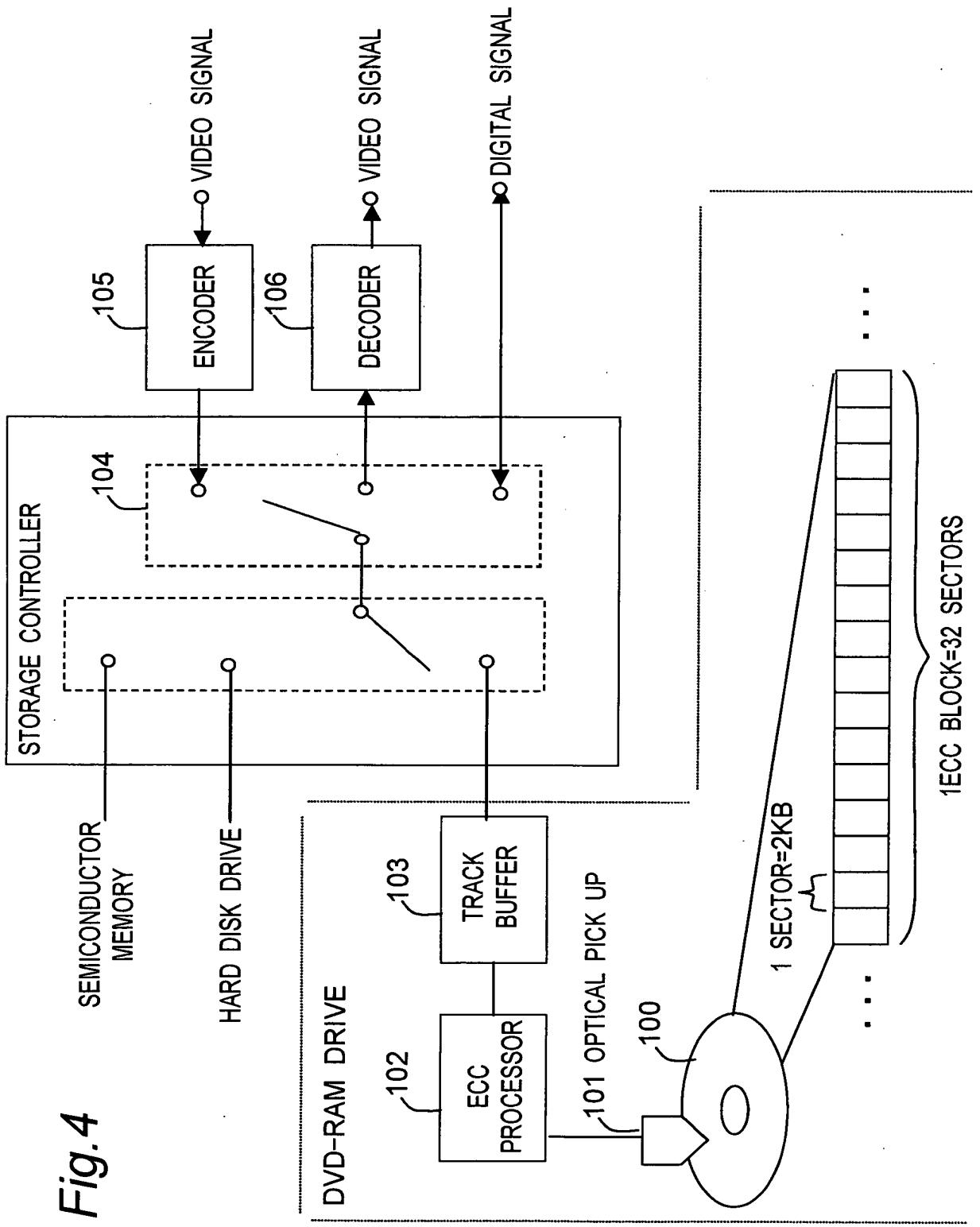


Fig. 3B



10/552371



10/552371

Fig. 5A

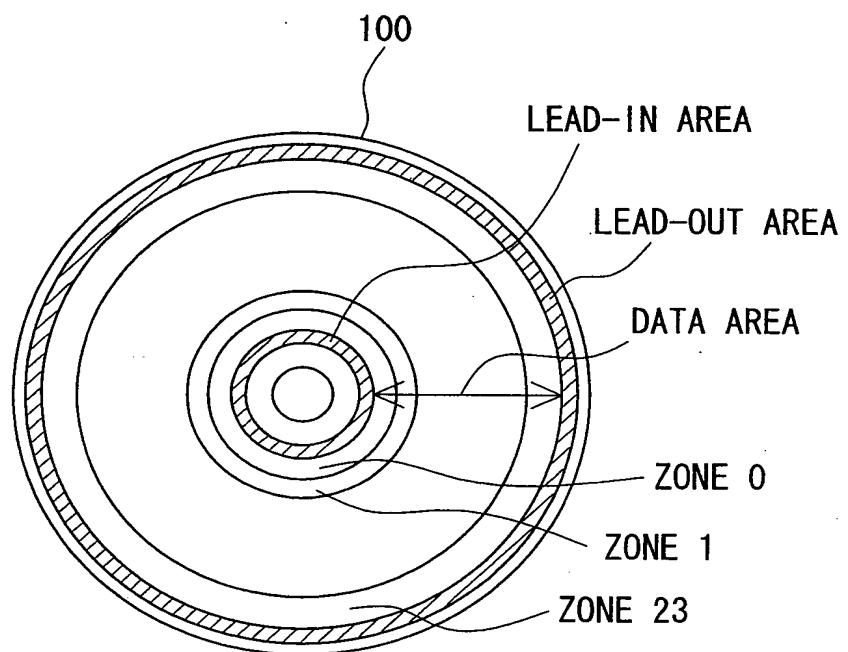


Fig. 5B

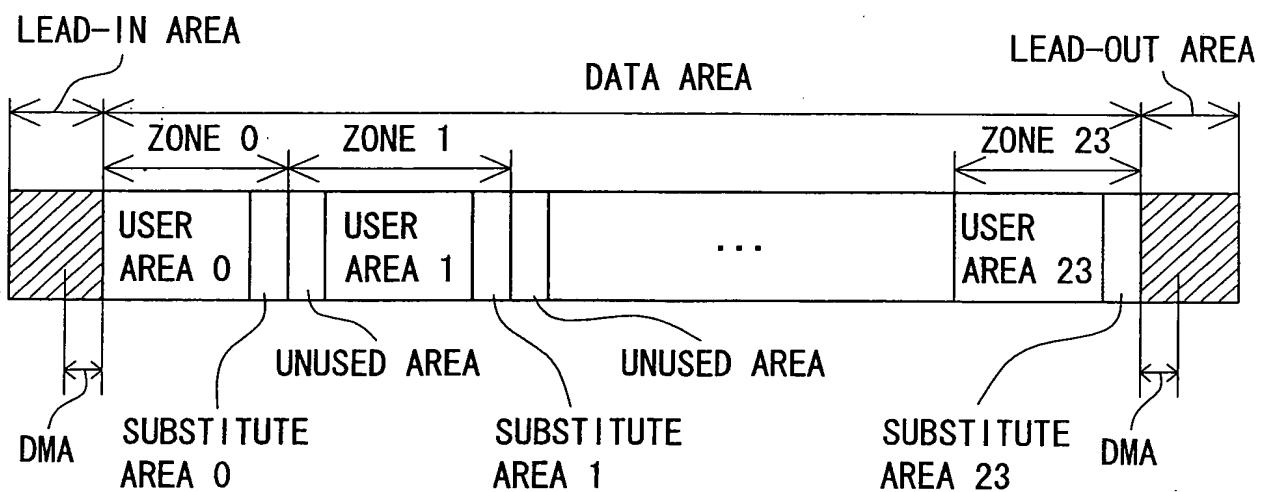


Fig. 6A

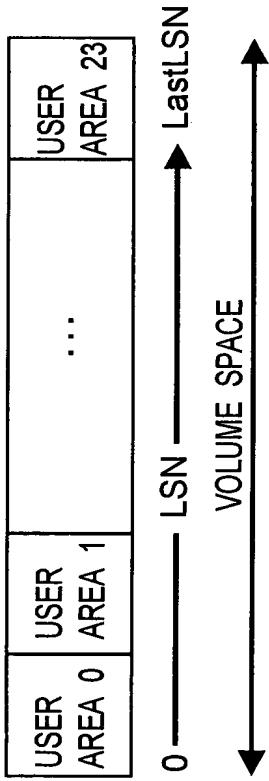
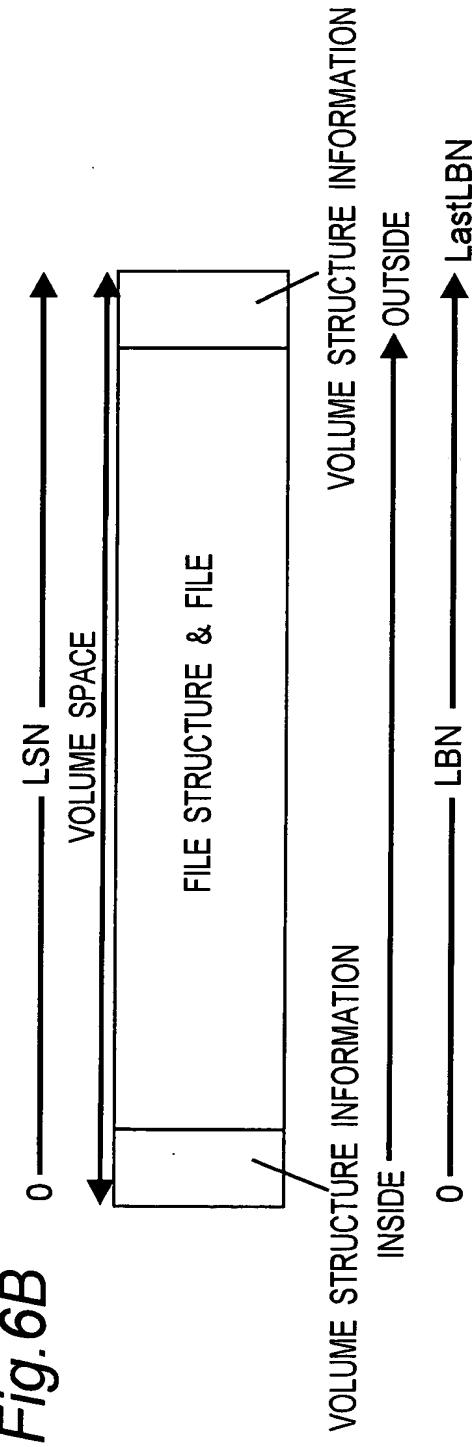
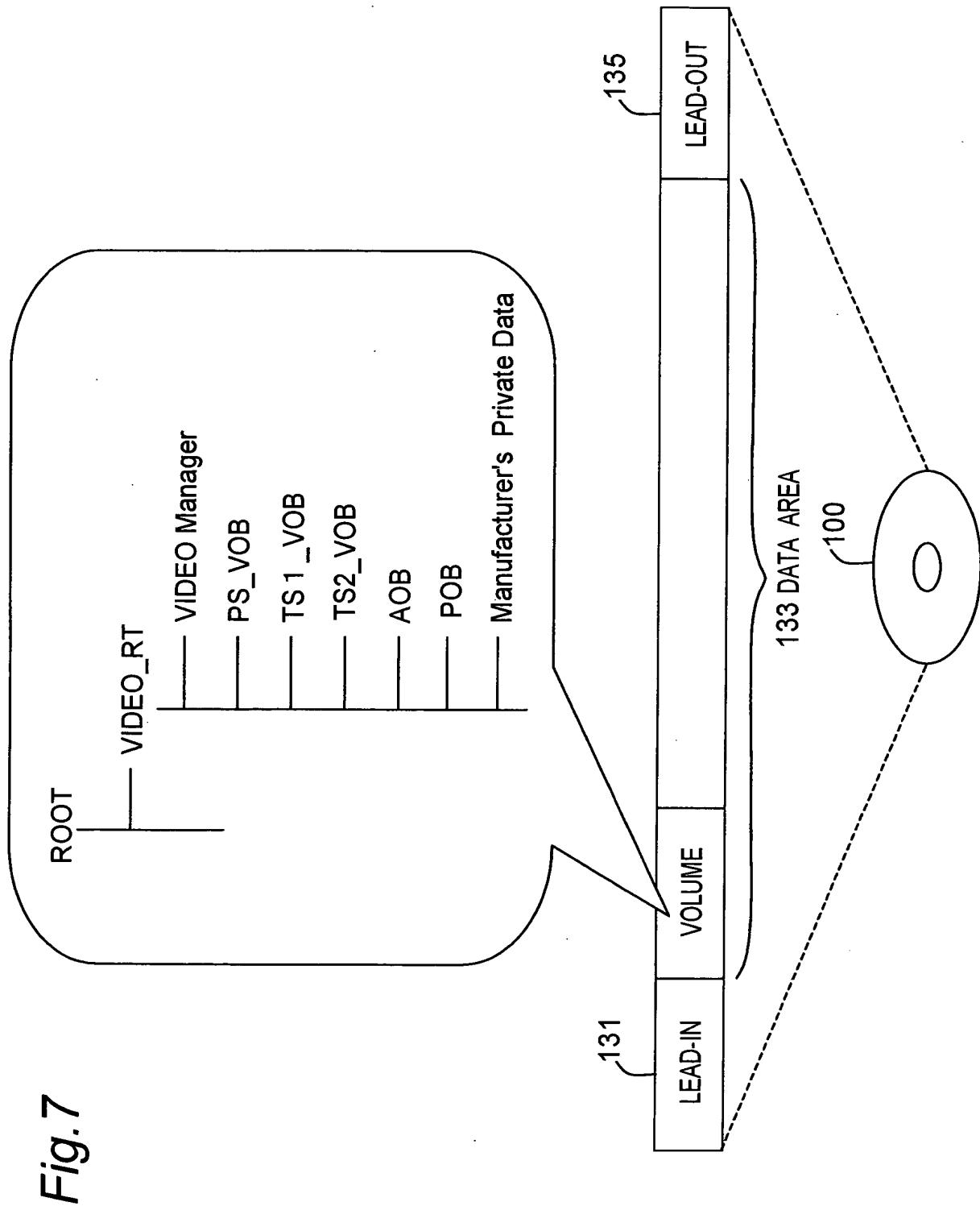


Fig. 6B

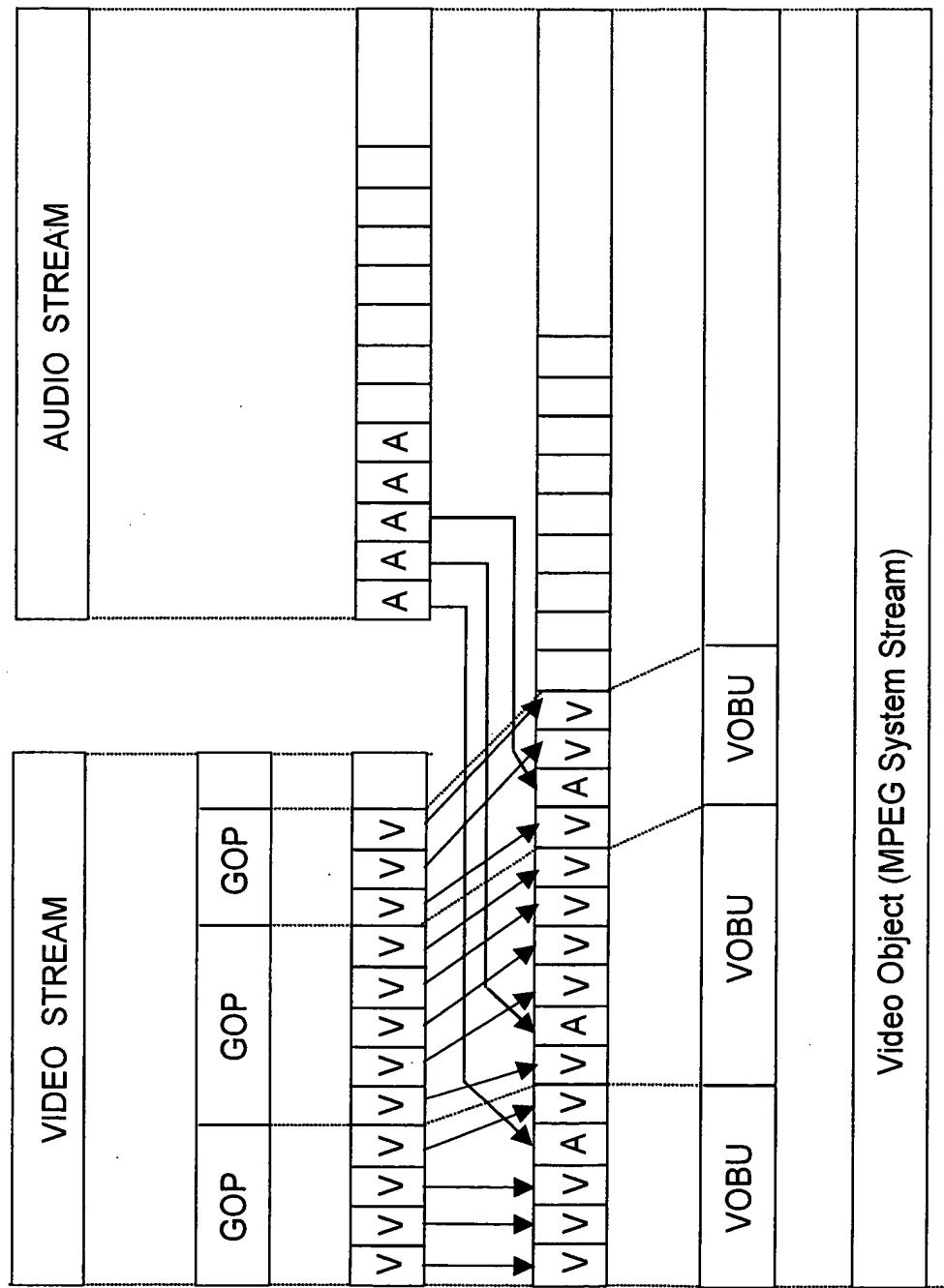


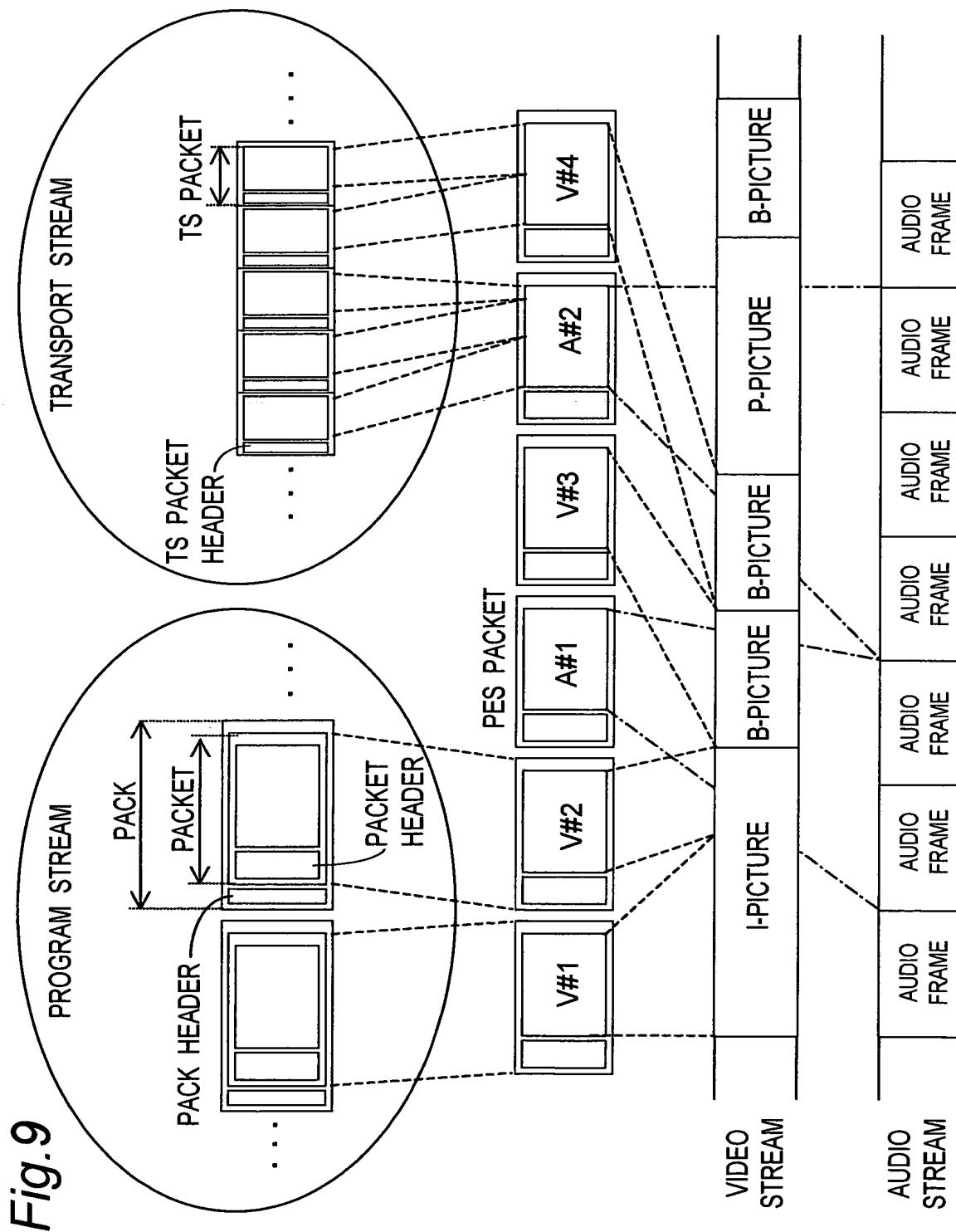
10/552371



10/552371

Fig.8





10/552371

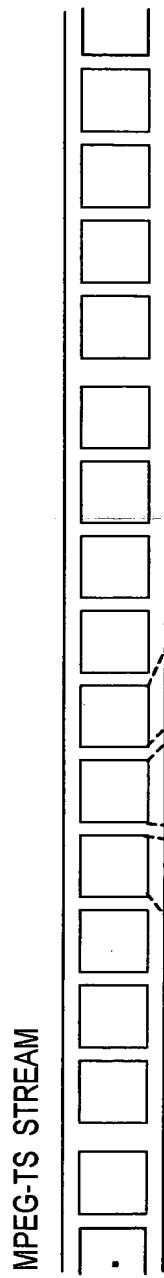


Fig. 10A

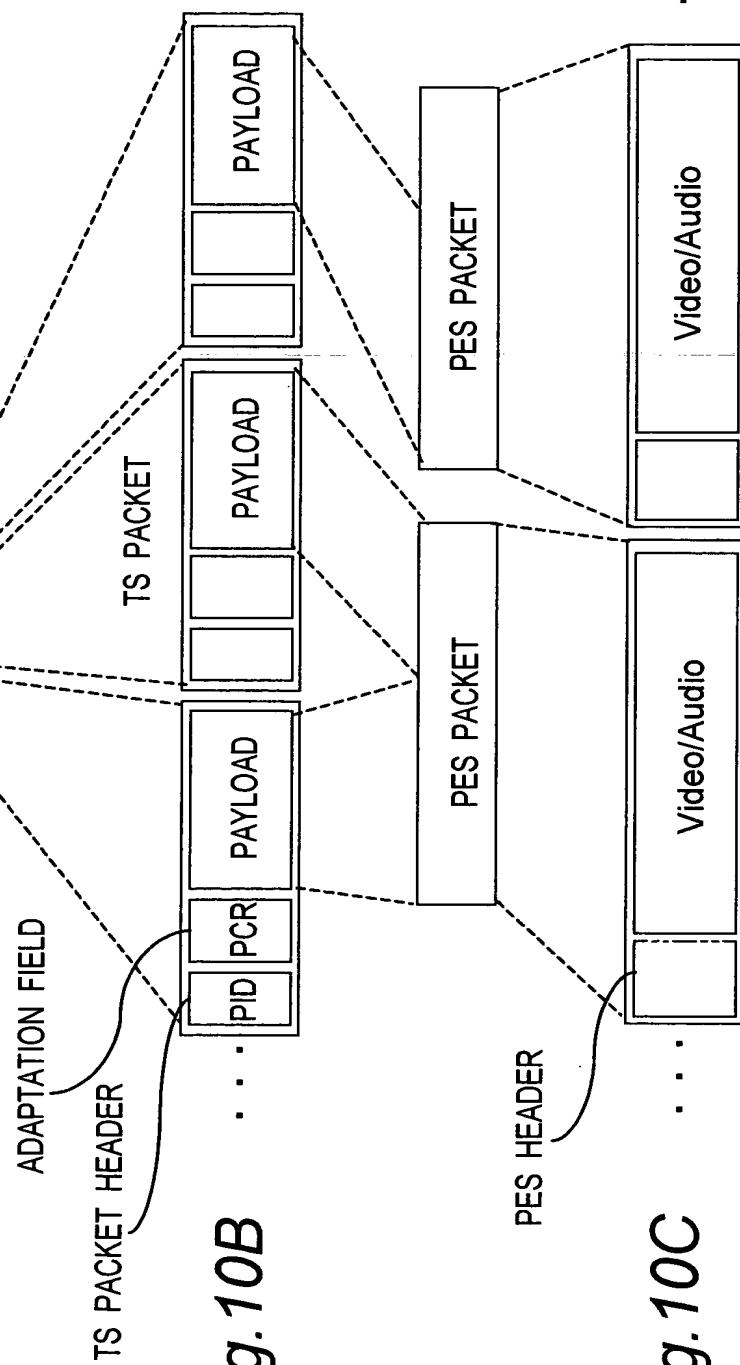


Fig. 10B

Fig. 10C

**10/552371**

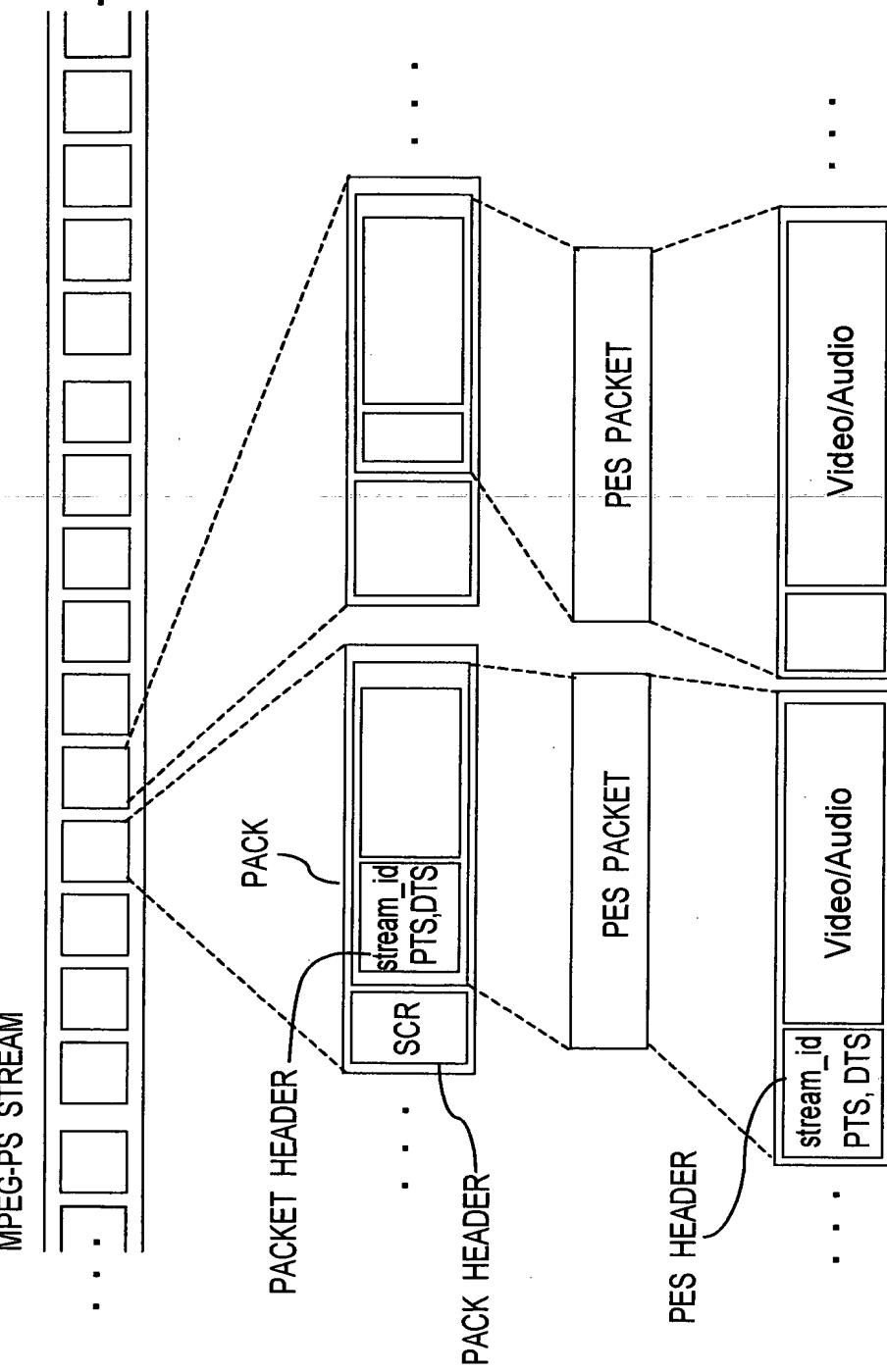
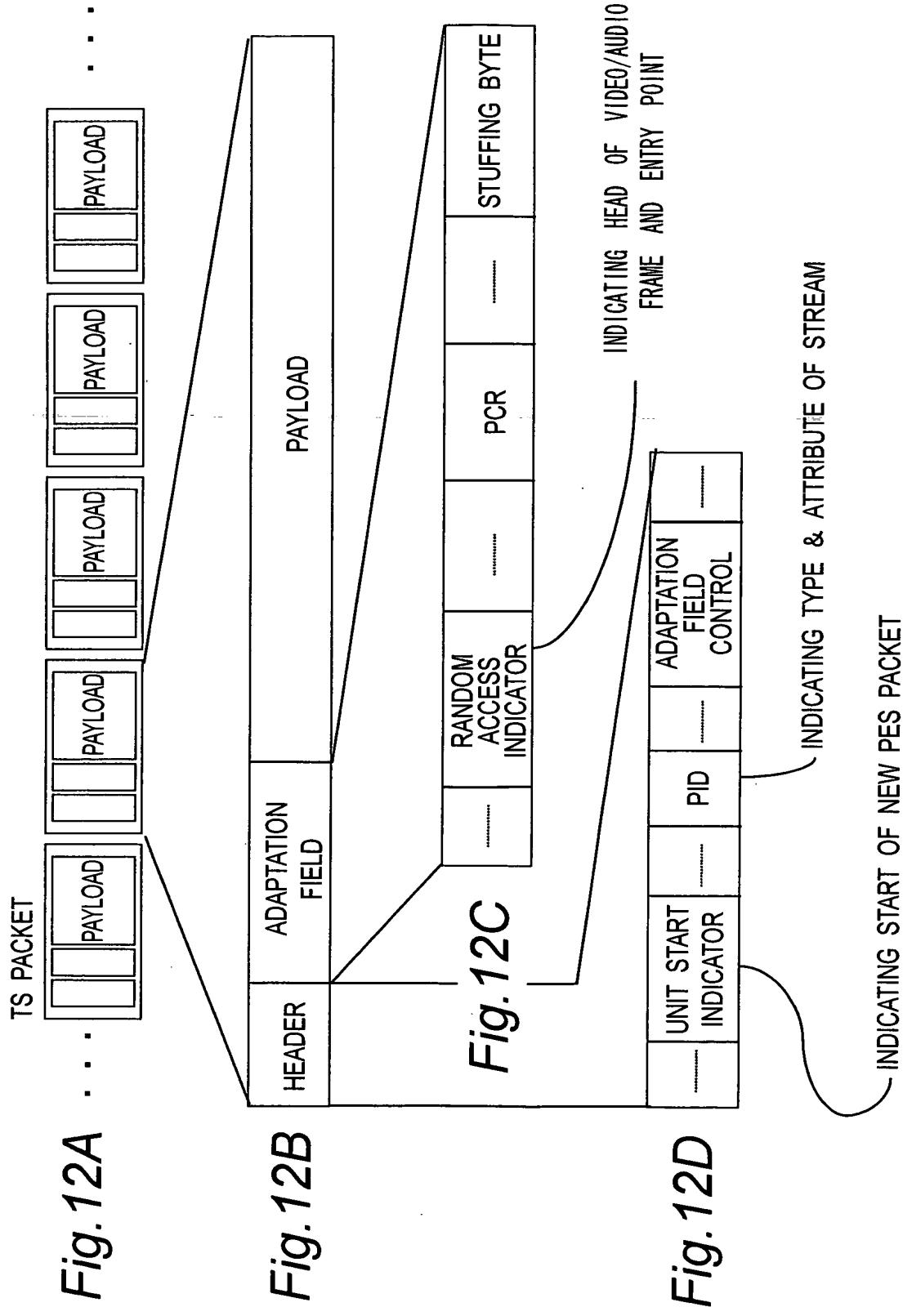


Fig. 11A

Fig. 11B

Fig. 11C

10/552371



10/552371

Fig. 13A

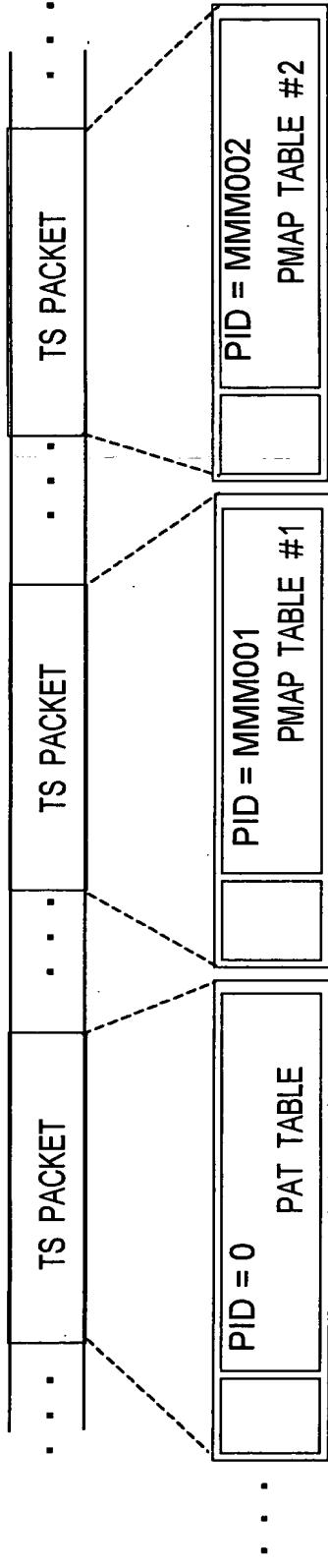


Fig. 13B

PAT TABLE

PROGRAM 1	PMAP TABLE #1
PROGRAM 2	PMAP TABLE #2
.....	.....
PROGRAM n	PMAP TABLE #n

Fig. 13C1

PMAP TABLE #1

Video	PID=vv001
Audio	PID=aa002

Fig. 13C2

PMAP TABLE #2

Video	PID=vv002
Audio	PID=aa001

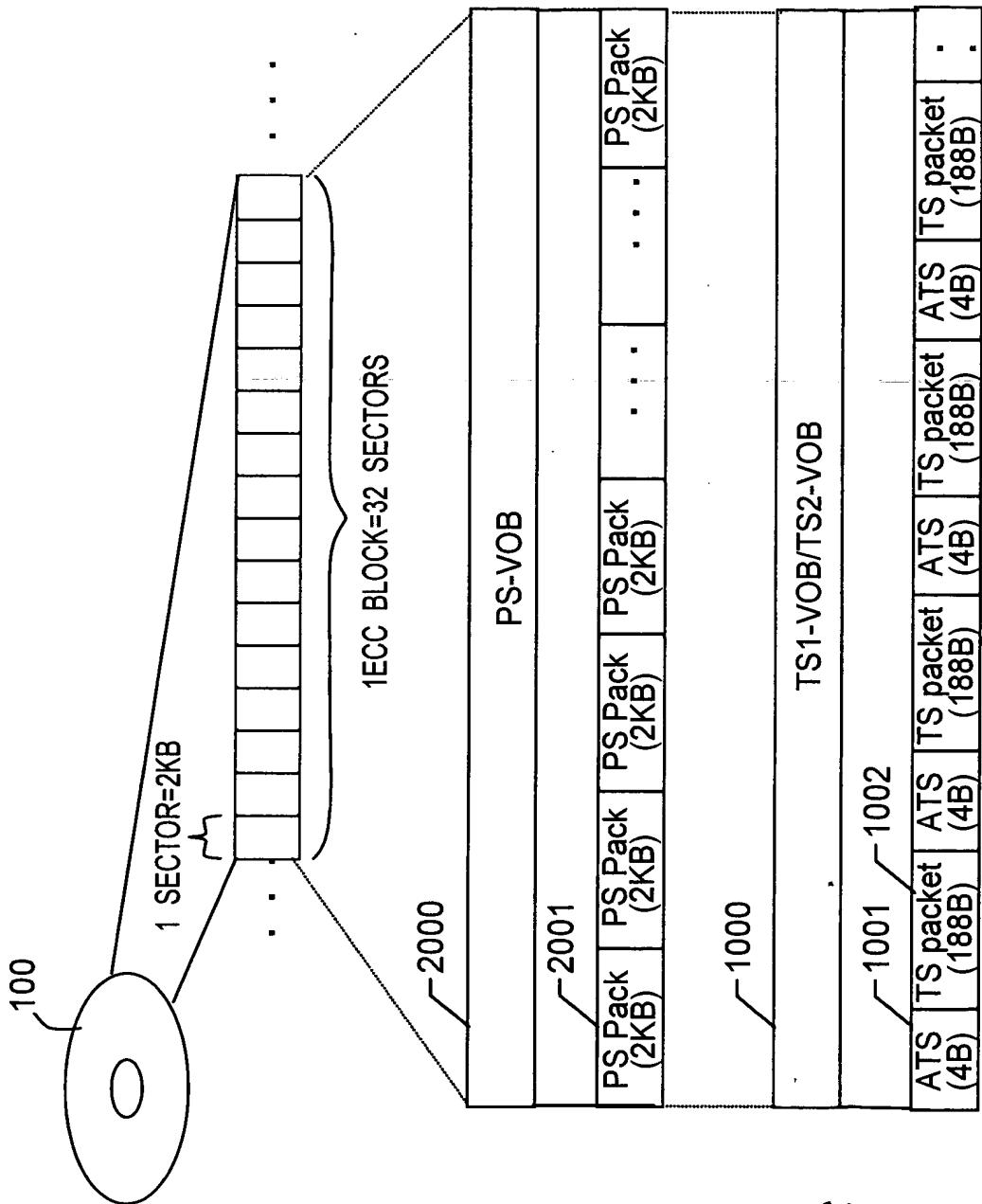


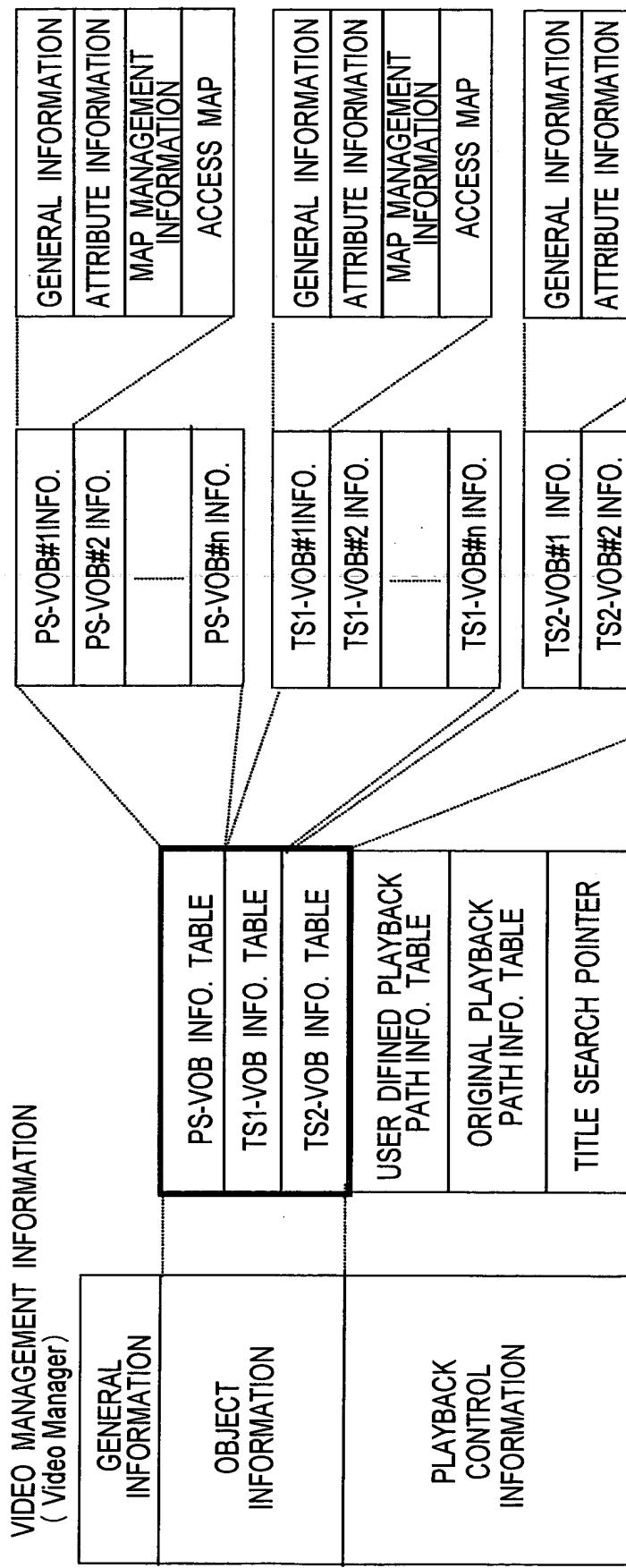
Fig. 14A

Fig. 14B

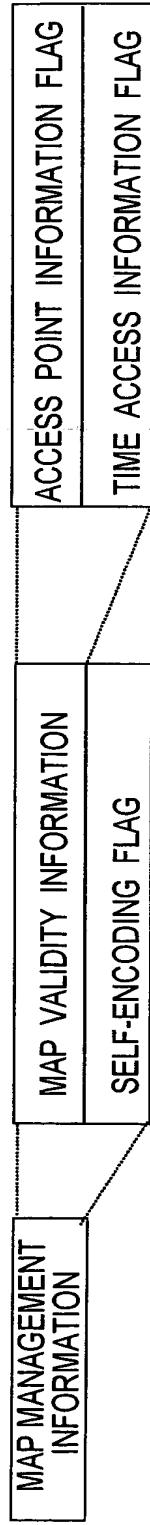
Fig. 14C

10/552371

*Fig. 15A*

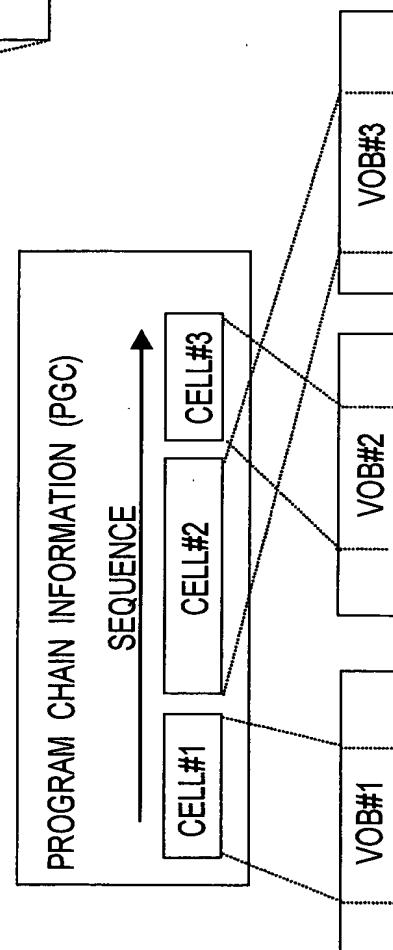
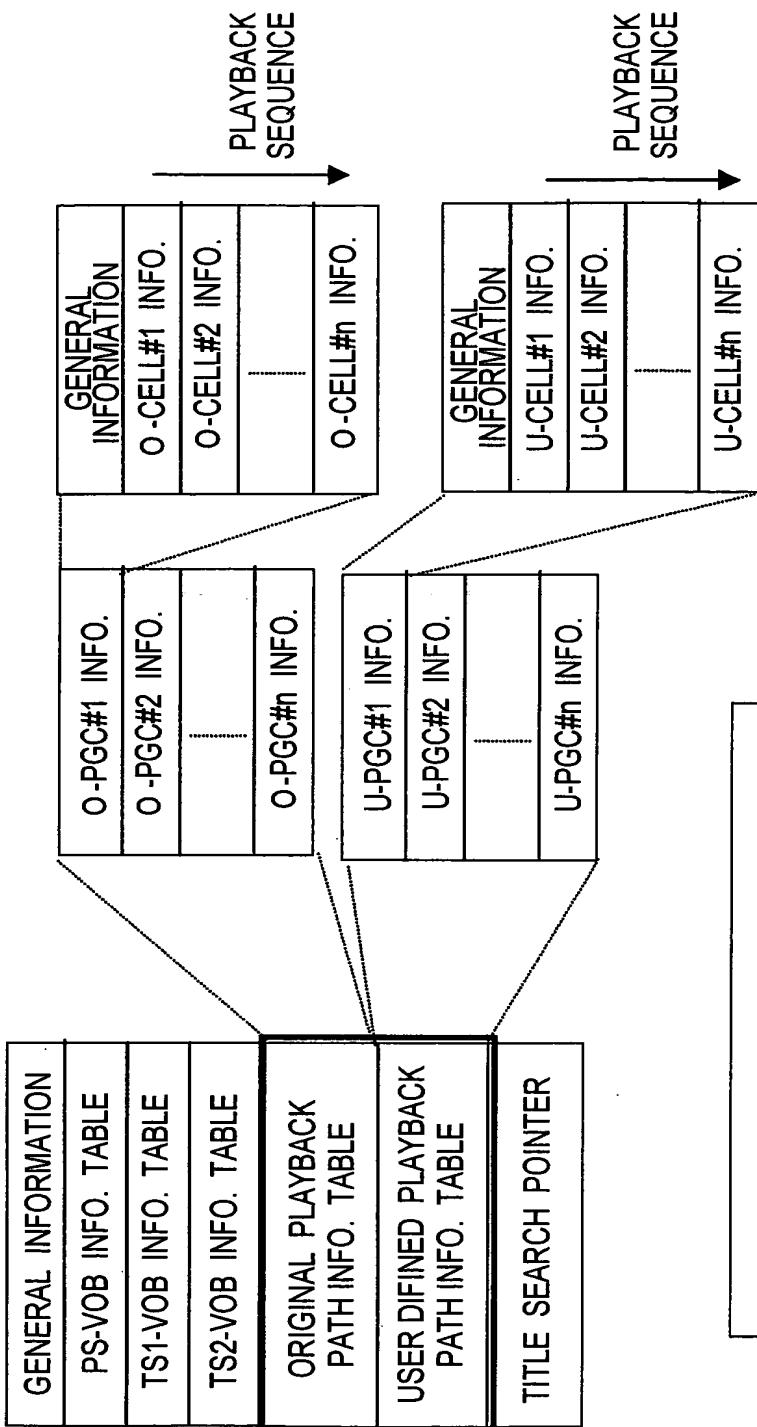


*Fig. 15B*



VIDEO MANAGEMENT INFORMATION  
(Video Manager)

*Fig. 16A*



*Fig. 16B*

*Fig. 17* VIDEO MANAGEMENT INFORMATION (VIDEO MANAGER)

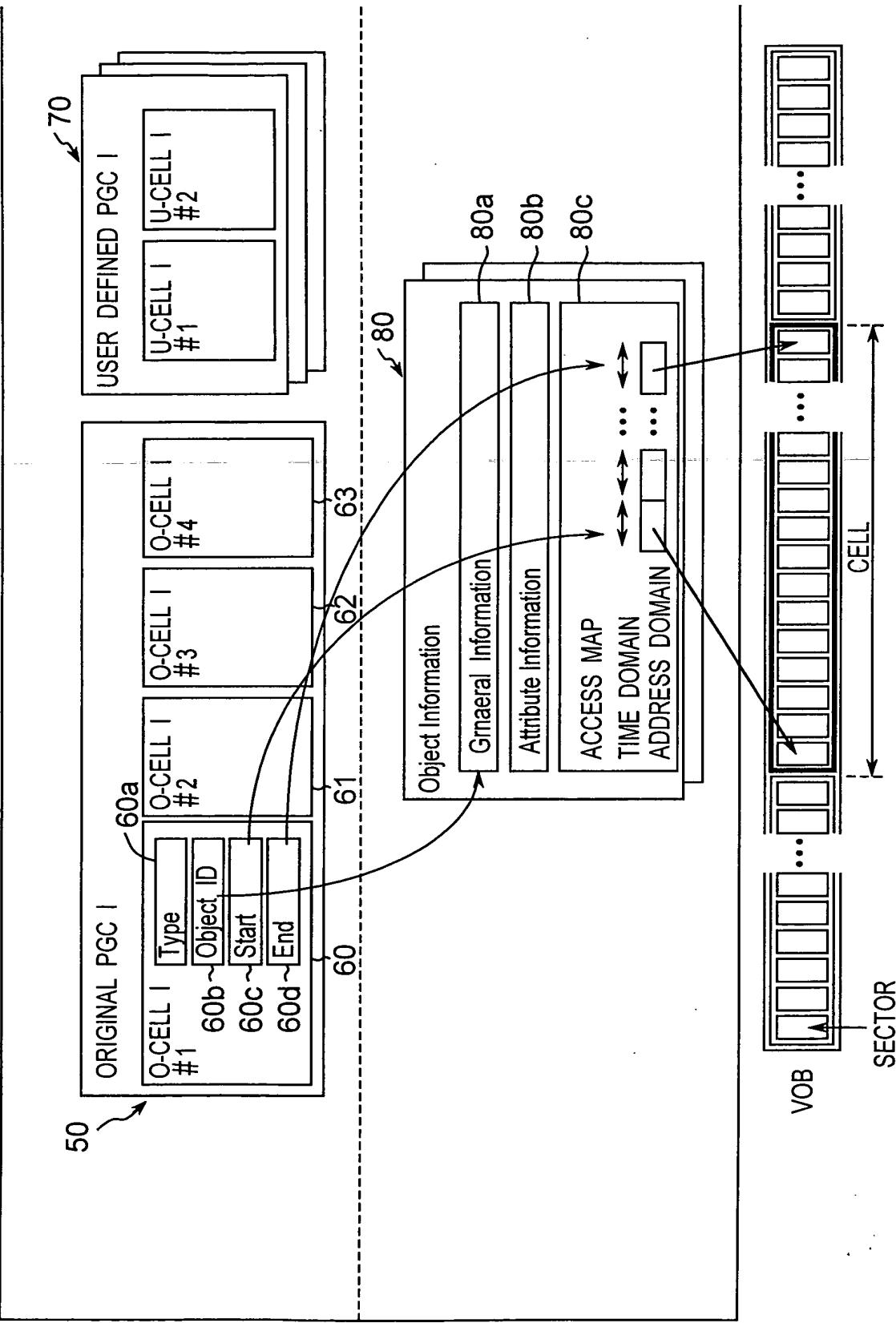


Fig. 18

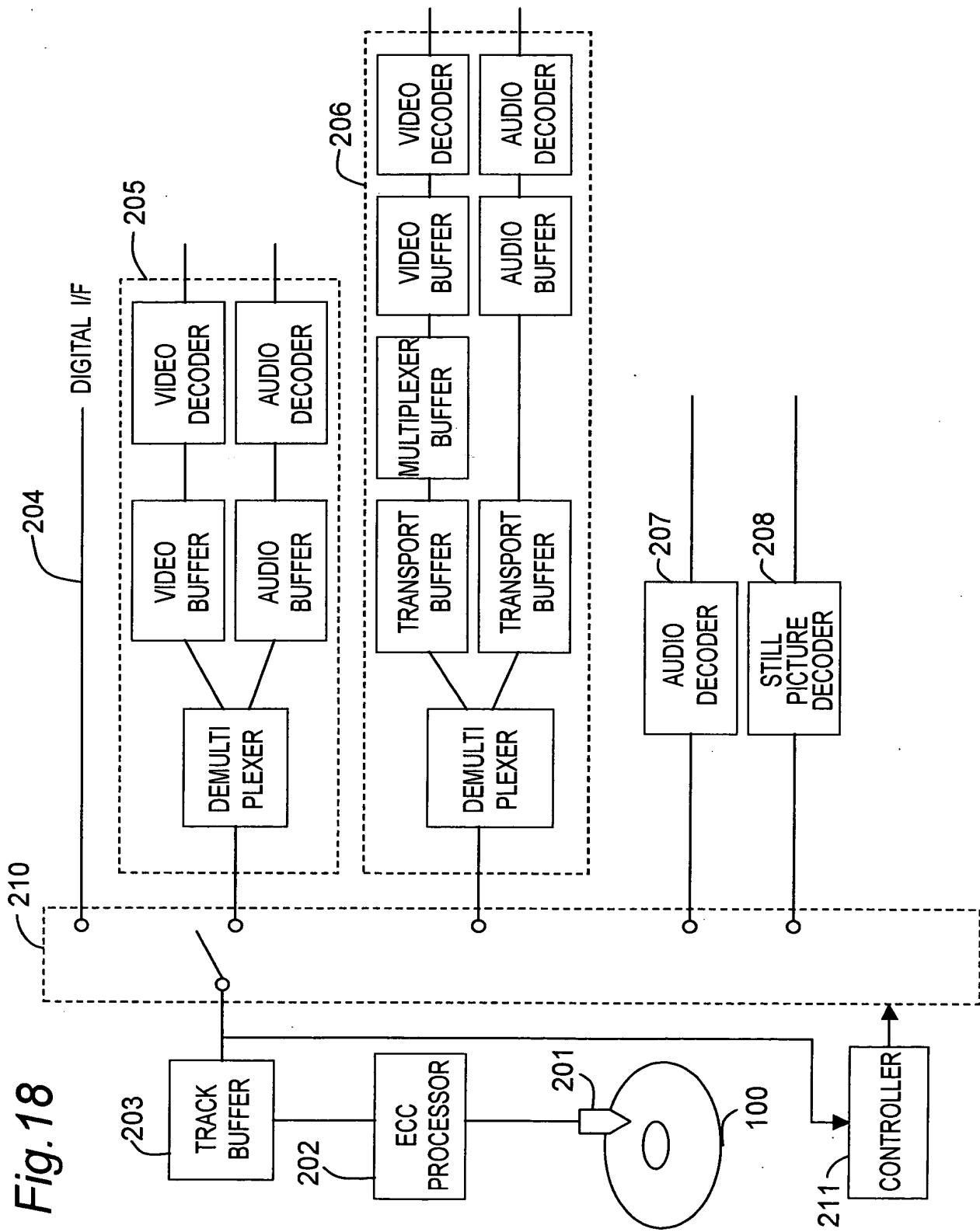


Fig. 19

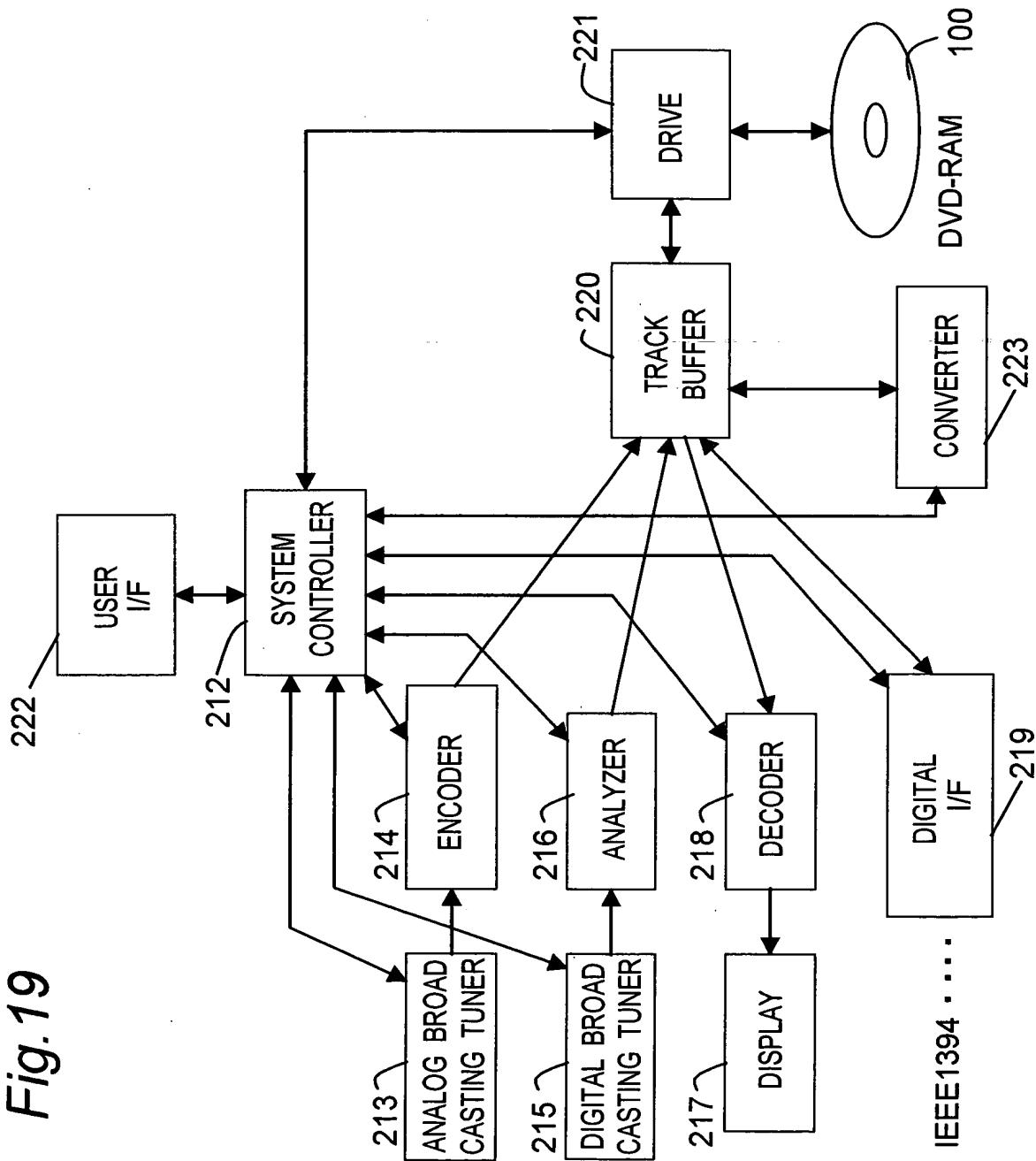
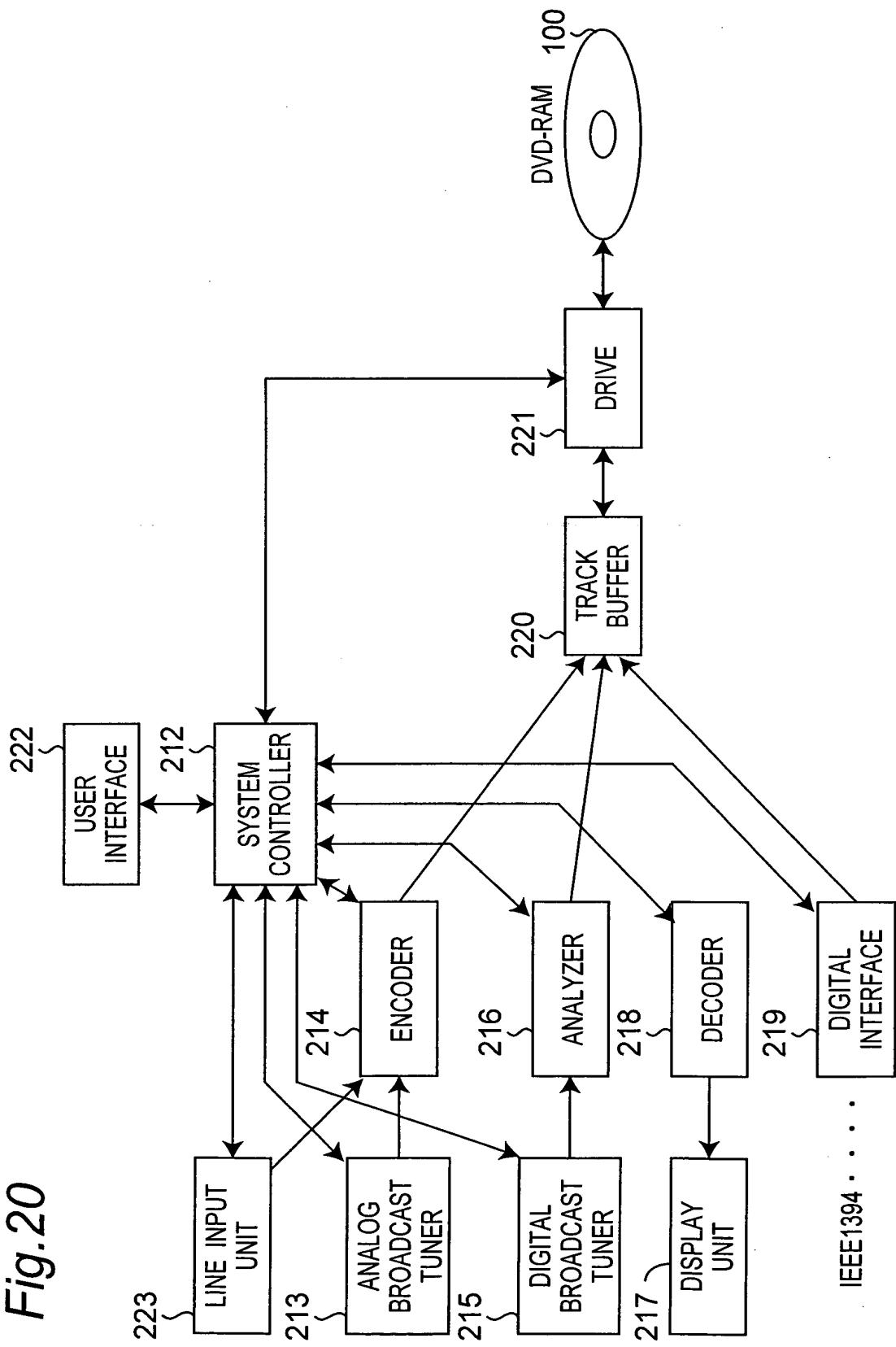


Fig. 20



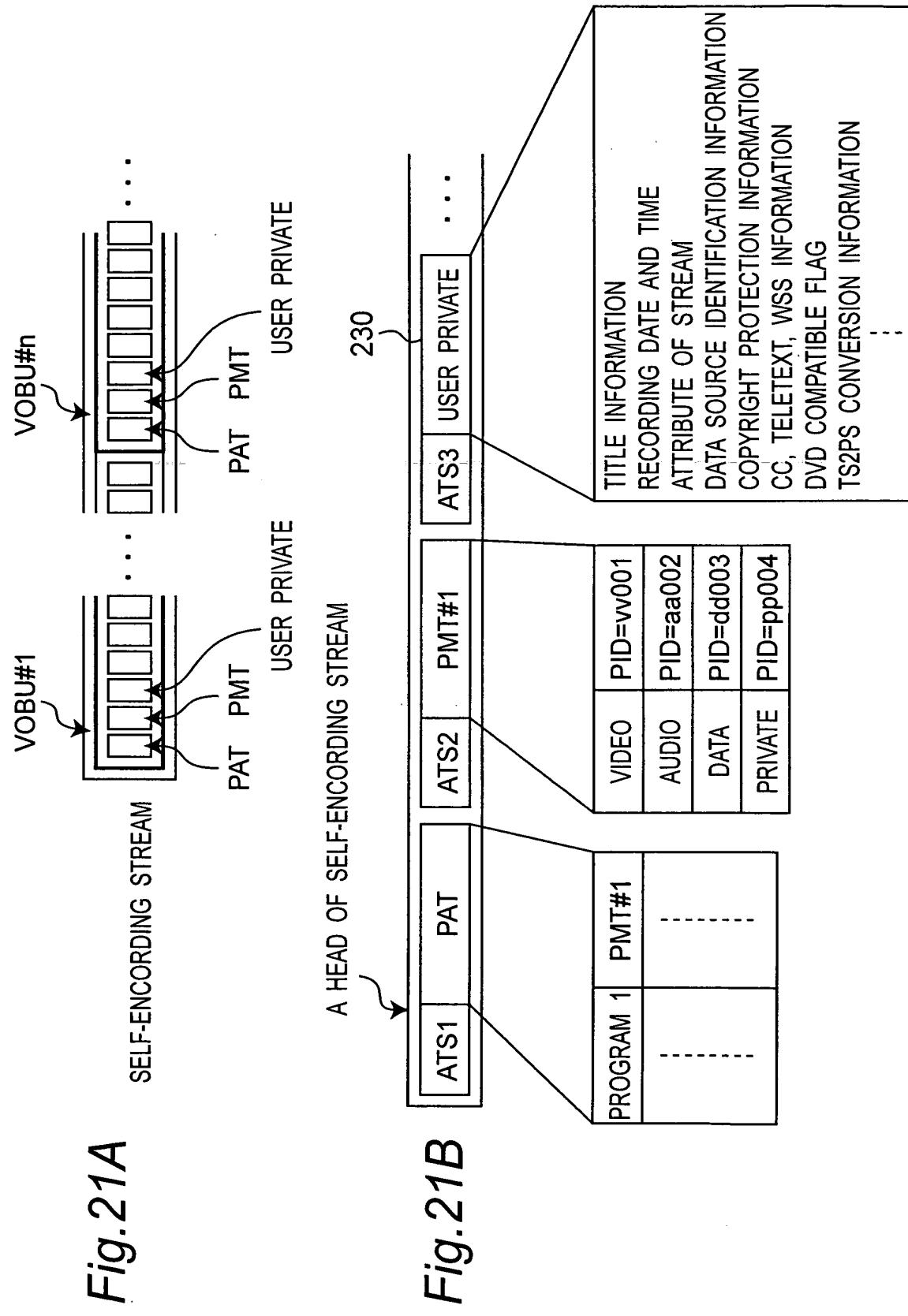


Fig.22A

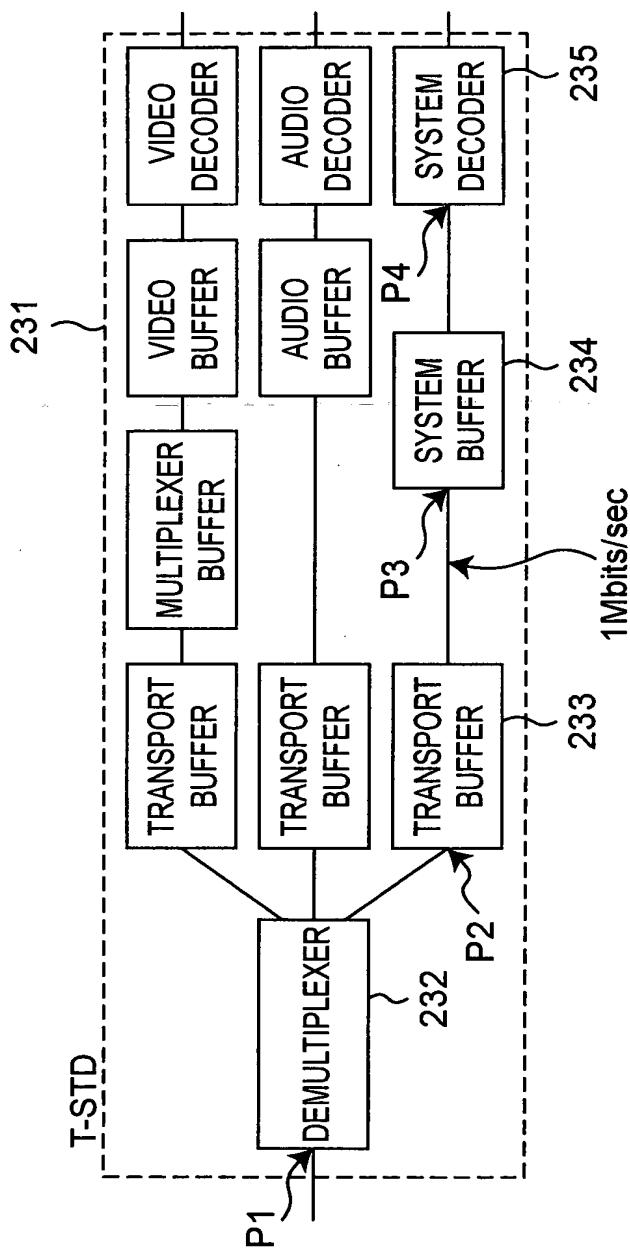


Fig.22B

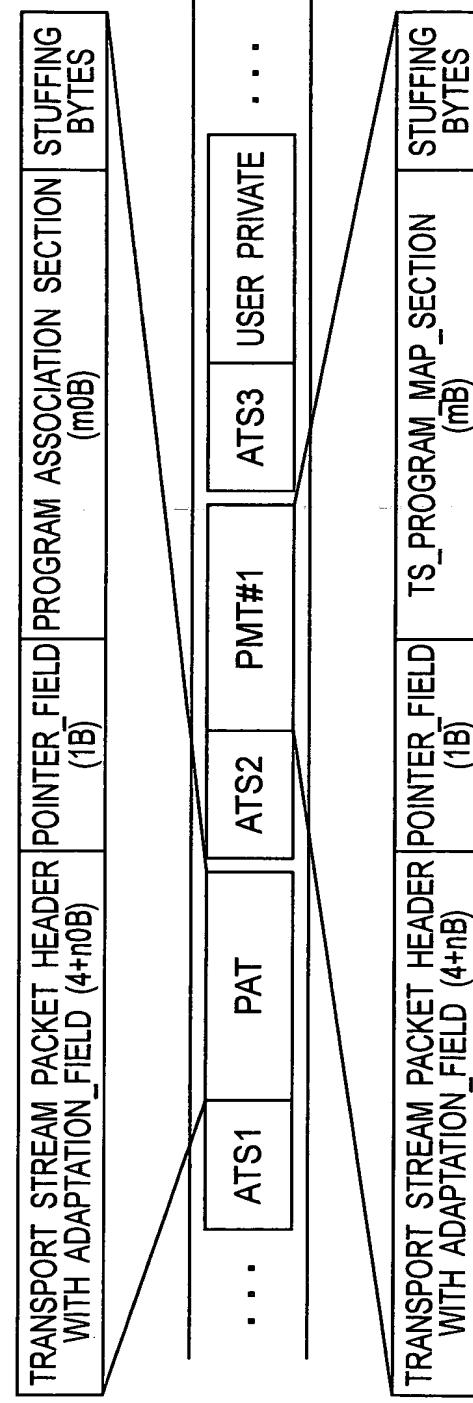


Fig. 23

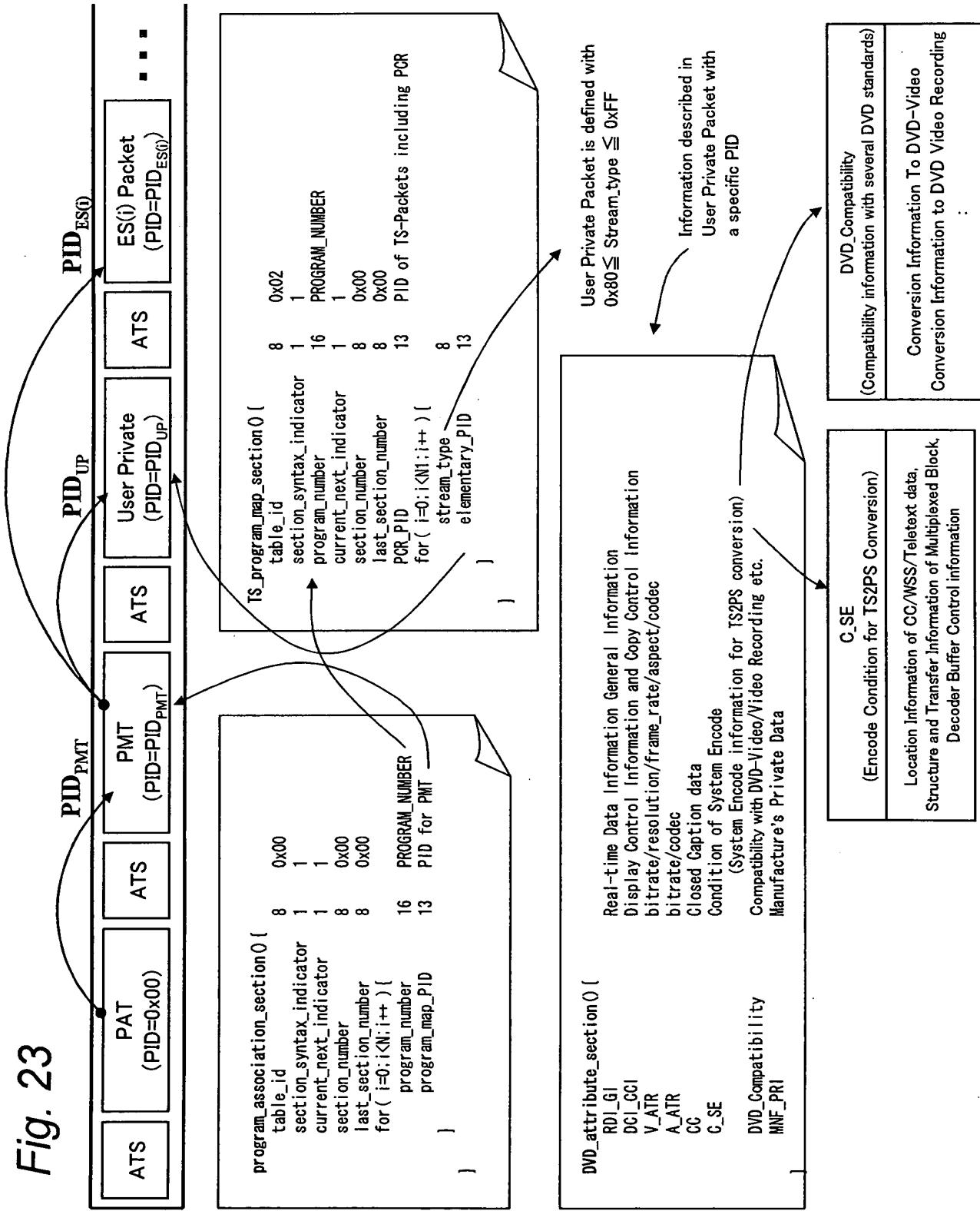


Fig. 24

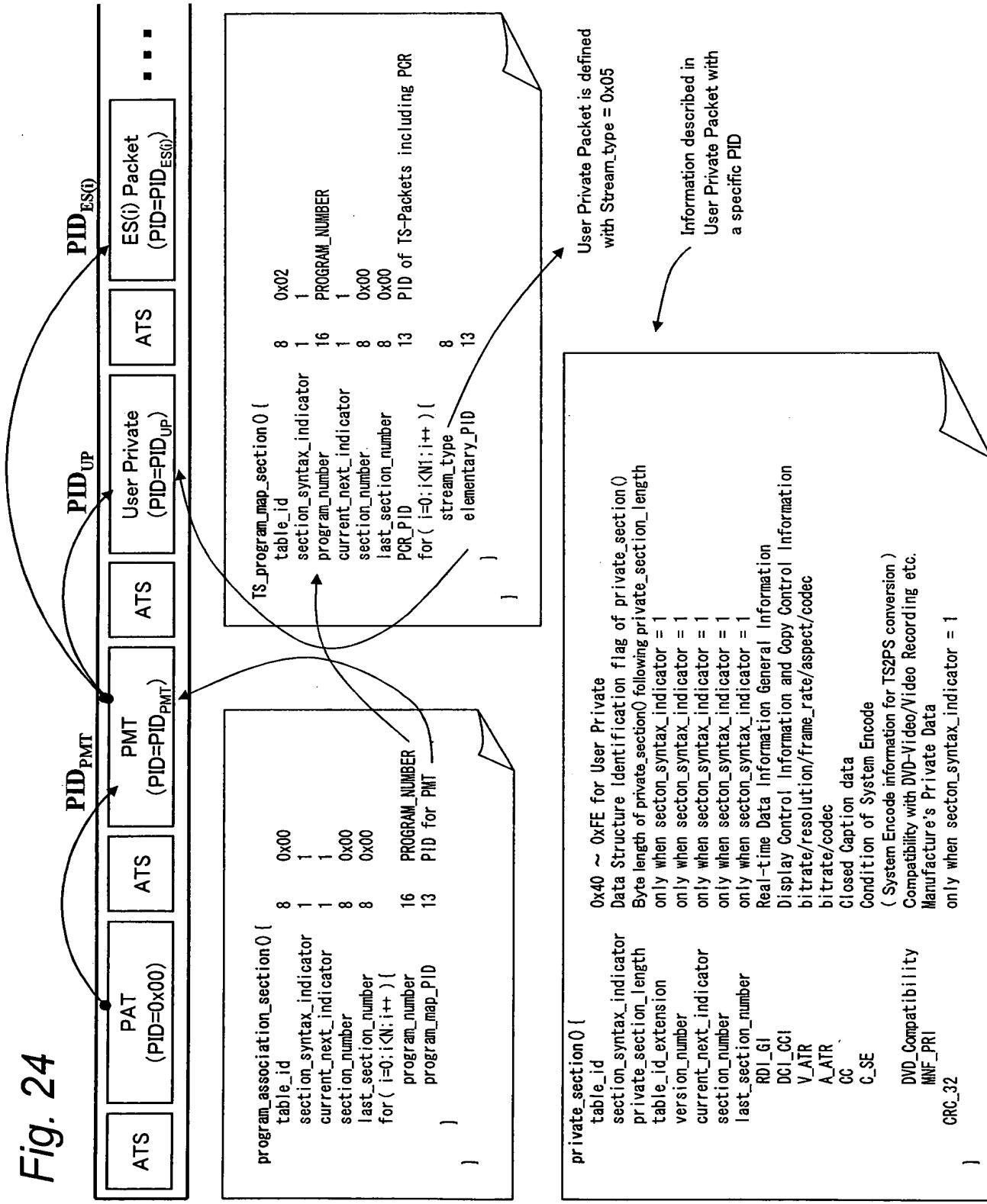


Fig. 25

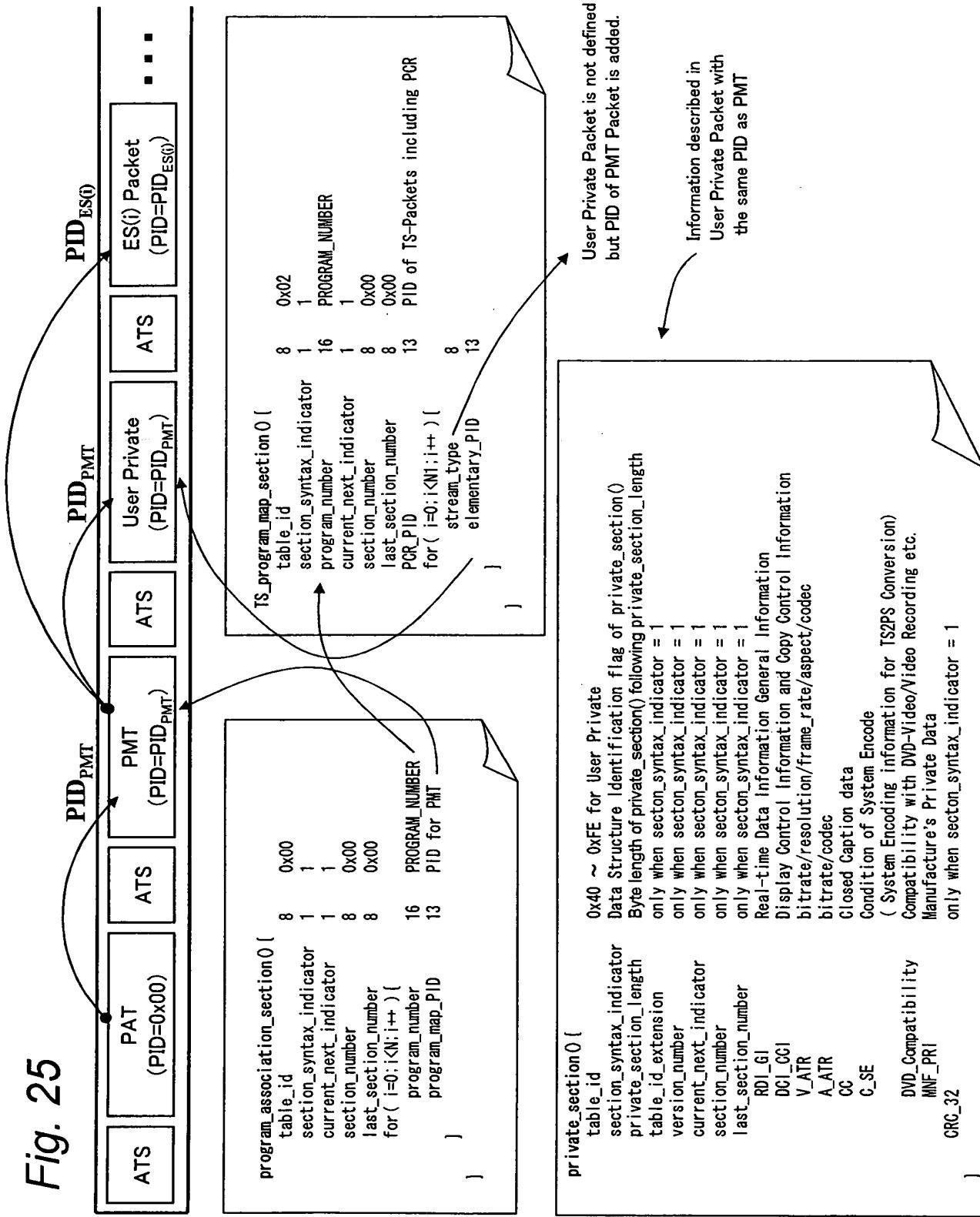
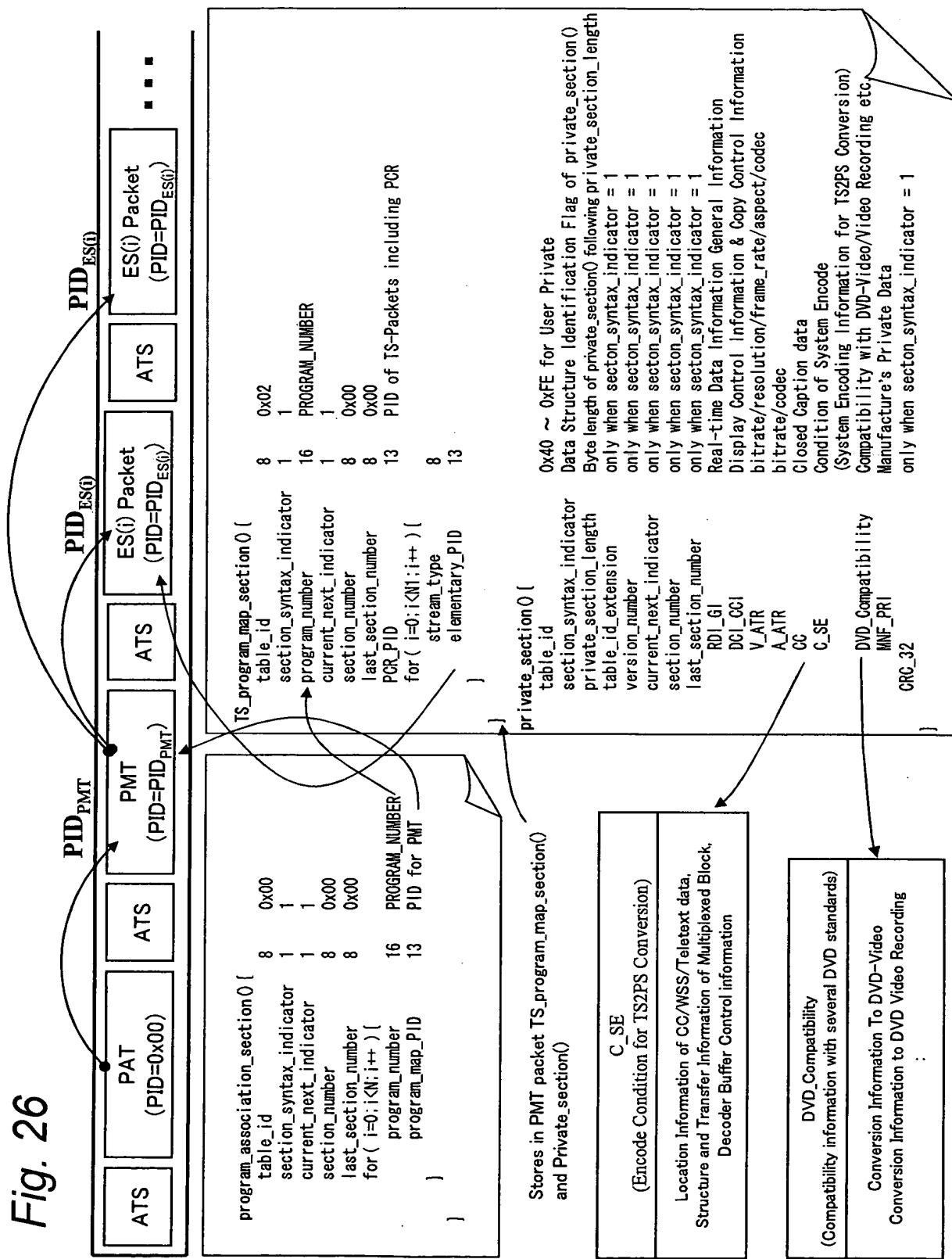


Fig. 26

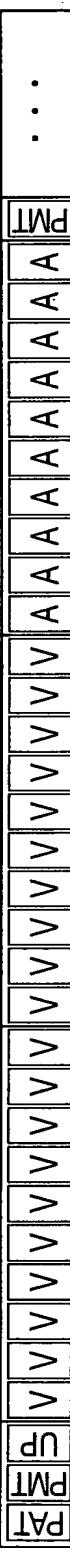
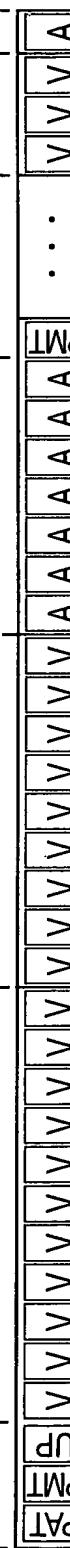
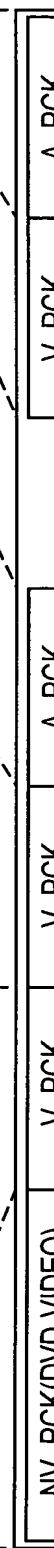
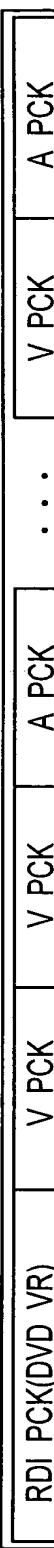


*Fig. 27A*

SELF-ENCODING TS STREAM FOR EASY CONVERSION TO PS

*Fig. 27B*

VOBU#1	VOBU#2	VOBU#3	VOBU#4	...	VOBU#end
--------	--------	--------	--------	-----	----------

*Fig. 27C**Fig. 27D**Fig. 27E**Fig. 27F**Fig. 27G**Fig. 27H*

(\*) CAPSULE HEADER AND ATS ARE OMITTED.

(\*) EACH PACK IN FIGS. 27G AND 27H ARE STUFFED/PADDED ACCORDING TO BYTE LENGTH OF ELEMENTARY OR VOBU ALIGNMENT.

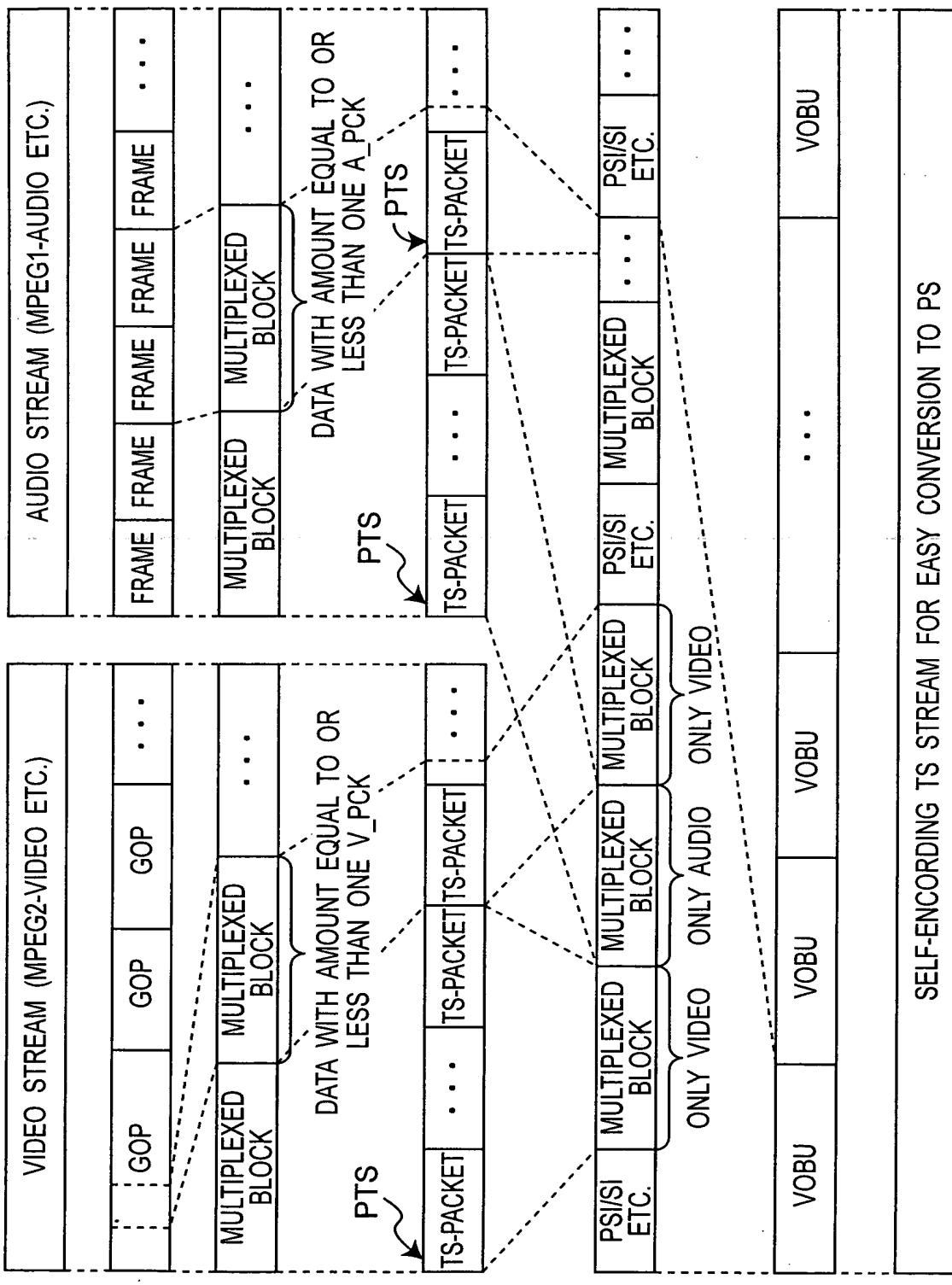
**Fig. 28A****Fig. 28B****Fig. 28C****Fig. 28D****Fig. 28E****Fig. 28F****Fig. 28G**

Fig. 29

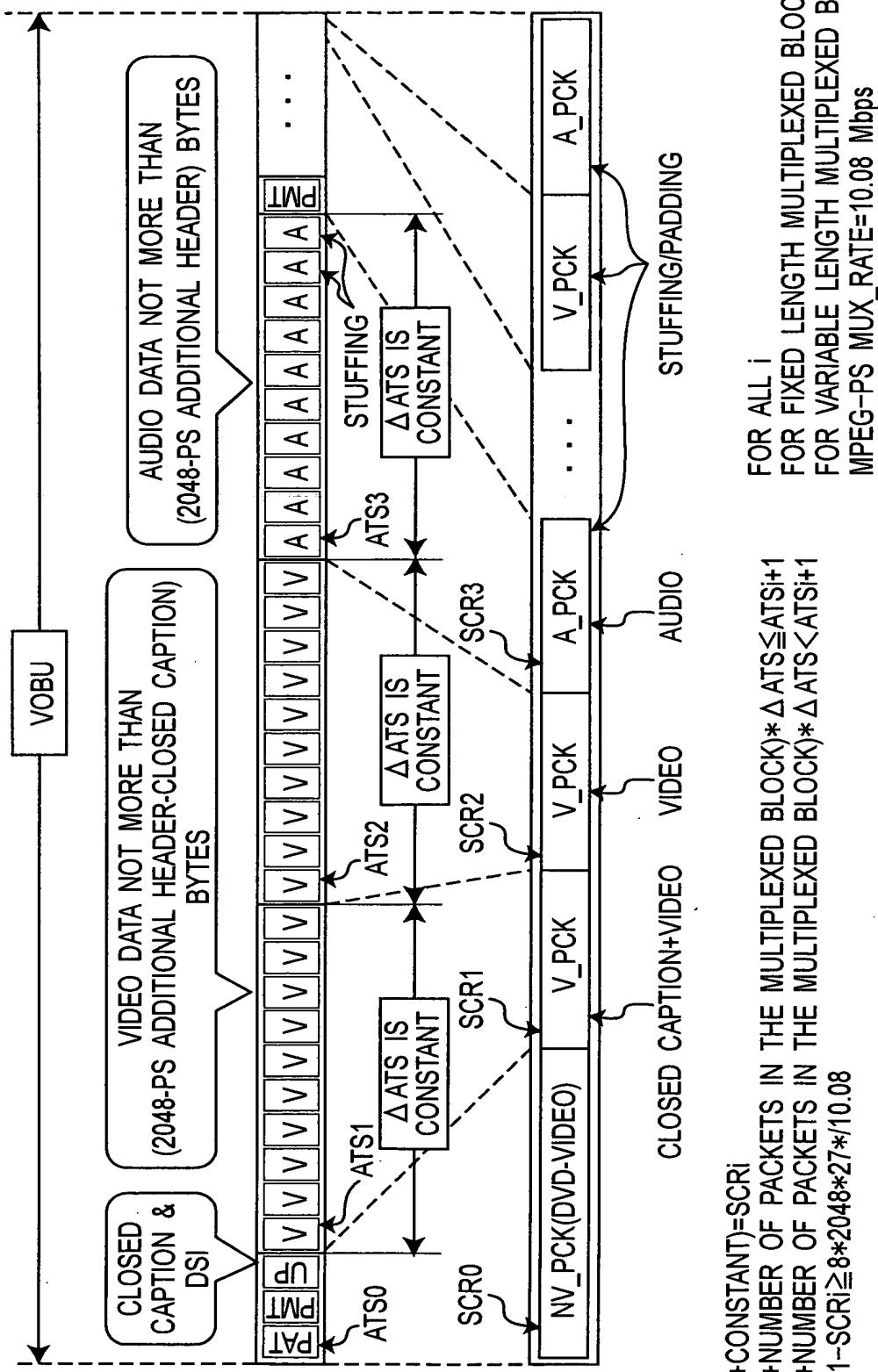


Fig. 30

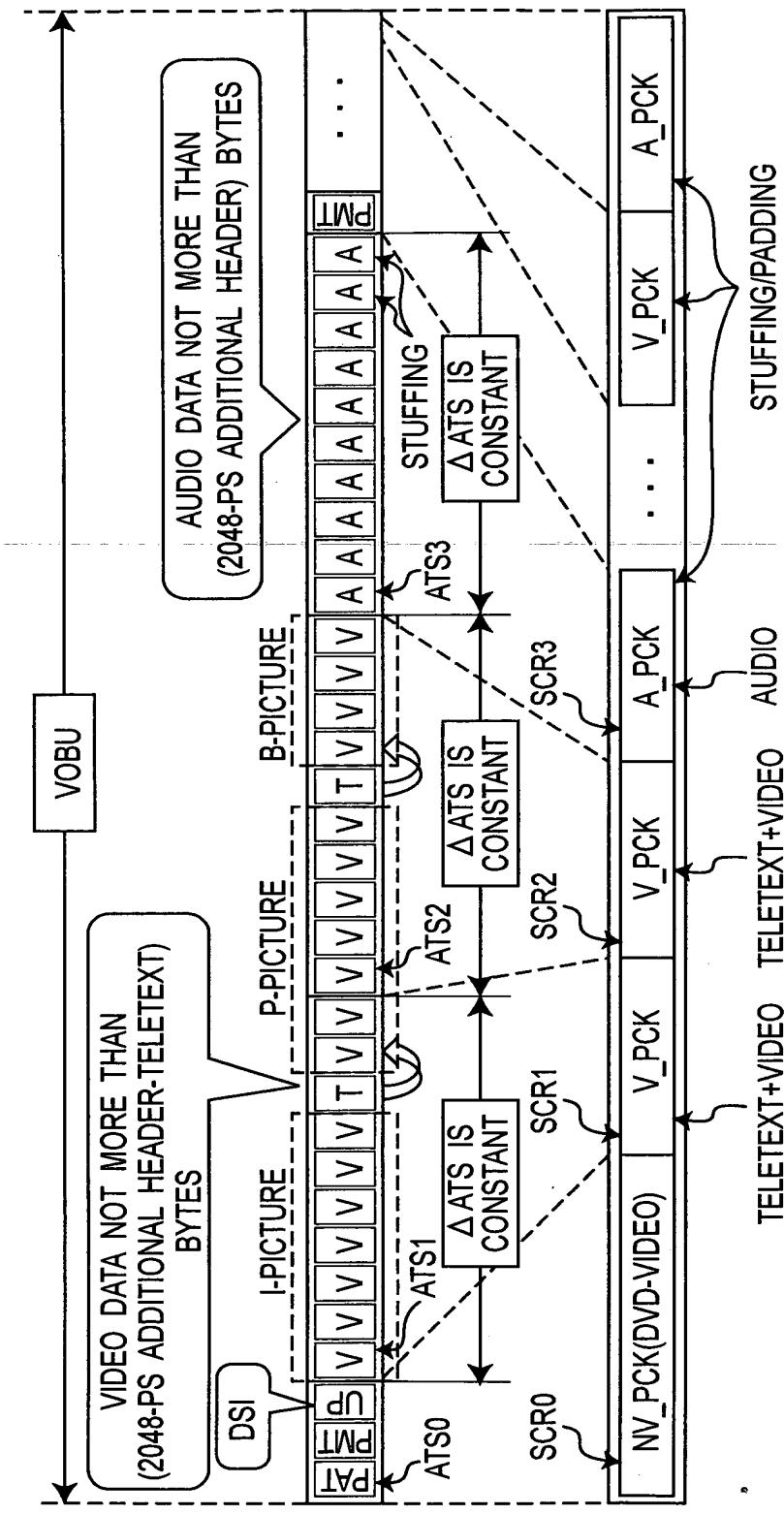


Fig. 31

```

User_Private_transport_packet() {
    sync_byte          8b      0x47
    transport_error_indicator 1b
    payload_unit_start_indicator 1b
    transport_priority 1b
    PID                13b
    transport_scrambling_control 2b
    adaptation_field_control 2b
    continuity_counter   4b      // no adaptation_field, payload only
    pointer_field        8b      // no stuffing before private_section()
    private_section_0 {
        table_id          8b      // 0x40-0xFE for User private
        section_syntax_indicator 0b  // short version of private_section()
        private_indicator   1b      // reserved for future use
        reserved           1b
        private_section_length 12b  // following private_data_byte length
    }
    RD1_GI (Real-time Data Information General Information)
    VOBUS_PTM          6B      presentation starting time of this VOBU
    Line21_data_length 1B      // same as DVD VR spec.
                                // max. 120 = 60fields * 2B
    DCI_CCI (Display Control Information and Copy Control Information)
    DCI_CCI_SS          1B      Status of DCI and CCI
    DCI                 1B      Display Control Information
    CCI                 1B      Copy Control Information
    ES_ATRI (Elementary Stream Attribute Information)
    V_ATR              2B      video format(3b) / codec(3b) / resolution(3b) / bitrate(3b) / reserved(4b)
    A_ATR              4B      // same as DVD VR spec.
                                // max. 120 = 60fields * 2B
    if ( Line21_data_length != 0 ) {
        Line21_switch_ceil( Line21_data_length/8 ) B
        Line21_data      (Line21_data_length) B
        MNF_ID           16B
        MNF_PRI          13-15B
    } else {
        MNF_ID           16B
        MNF_PRI          148B
    }
}
(*) Ceil() means round-up

```

Fig.32

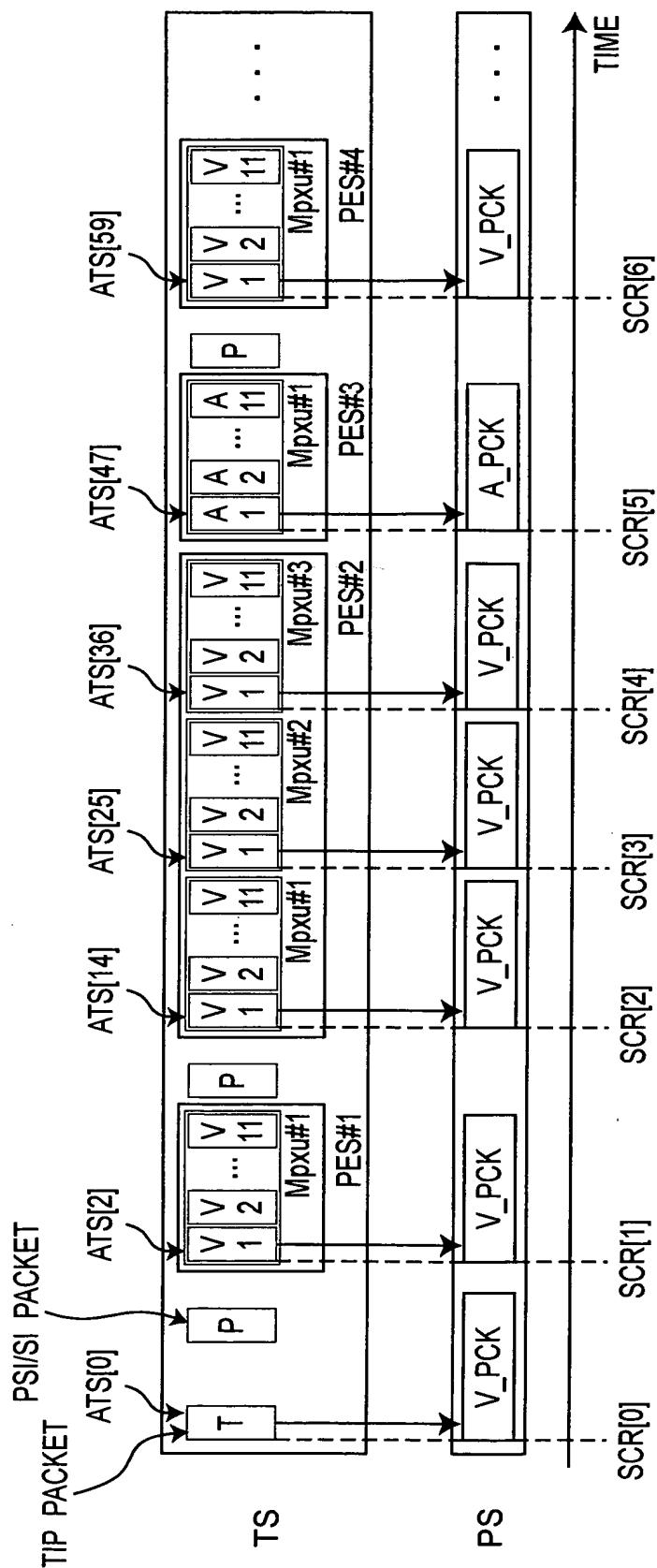


Fig. 33

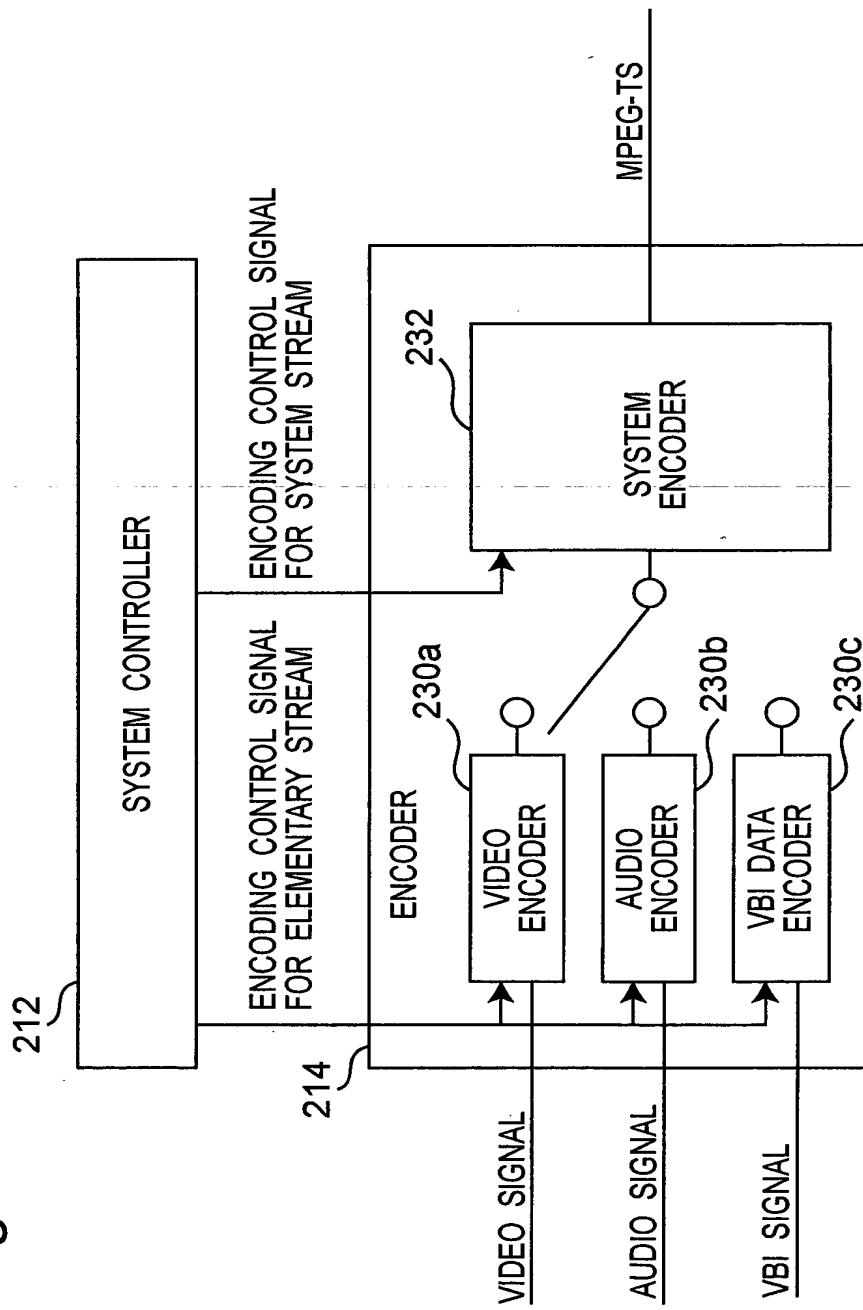


Fig.34

CONVERSION FROM SELF-ENCODING MPEG-TS TO DVD-Video / DVD VR FORMAT	
MPEG-TS ENCODED WITH NORMAL SYSTEM ENCODE (SESF)	MPEG-TS ENCODED WITH SYSTEM ENCODE CAPABLE OF EASY CONVERSION TO MPEG-TS (CONSTRAINED SESF)
WHEN ENCODED TO ELEMENTARY STREAM COMPATIBLE WITH DVD-Video	(CONVERSION TO DVD-Video) ELEMENTARY CAN BE USED AS IT IS. IN RE-ENCODING TO MPEG-PS, ELEMENTARY STREAM DO NOT HAVE TO BE ANALYZED, AND BUFFER MANAGEMENT IS ALSO NOT NEEDED.
WHEN ENCODED TO ELEMENTARY STREAM COMPATIBLE WITH DVD VR	(CONVERSION TO DVD VR) ELEMENTARY CAN BE USED AS IT IS. IN RE-ENCODING TO MPEG-PS, ELEMENTARY STREAM HAS TO BE ANALYZED. THE PROCESS IS COMPLICATED.

Fig. 35

Tip PACKET	Syntax	No. of bits	Mnemonic
	<code>transport_packet(){</code>		
	<code>    sync_byte</code>	8	<code>bslbf</code>
	<code>    transport_error_indicator</code>	1	<code>bslbf</code>
	<code>    payload_unit_start_indicator</code>	1	<code>bslbf</code>
	<code>    transport_priority</code>	1	<code>bslbf</code>
	<code>    PID</code>	13	<code>uimsbf</code>
	<code>    transport_scrambling_control</code>	2	<code>bslbf</code>
	<code>    adaptation_filed_control</code>	2	<code>bslbf</code>
	<code>    continuity_counter</code>	4	<code>uimsbf</code>
	<code>    adaptation_field()</code>		
	<code>    Tip_Data(){</code>		
	<code>        Data_ID()</code>	<code>4 * 8</code>	
	<code>        display_and_copy_info()</code>	<code>8 * 8</code>	
	<code>        encode_info()</code>	<code>141 * 8</code>	
	<code>        MakersPrivateData()</code>	<code>41 * 8</code>	
	<code>    }</code>		
	<code>}</code>		

Fig. 36

Syntax	No. of bits	Mnemonic
adaptation_field()		
adaptation_field(){		
adaptation_field_length	8	uimsbf
discontinuity_indicator	1	bslbf
random_access_indicator	1	bslbf
elementary_stream_priority_indicator	1	bslbf
PCR_flag	1	bslbf
OPCR_flag	1	bslbf
splicing_point_flag	1	bslbf
transport_private_data_flag	1	bslbf
adaptation_field_extension_flag	1	bslbf
program_clock_reference_base	33	uimsbf
reserved	6	bslbf
program_clock_reference_extension	9	uimsbf
}		

10/552371

Fig.37

Data_ID()	Syntax	No. of bits	Mnemonic
Data_ID(){			
Data_Identifier		24	uimsbf
reserved		8	bslbf
}			

10/552371

Fig. 38

display_and_copy_info()	Syntax	No. of bits	Value
display_and_copy_info(){			
reserved		40	bslbf
display_control_info_status		2	bslbf
reserved		2	bslbf
copy_control_info_status		3	bslbf
reserved		1	bslbf
Aspect ratio		4	bslbf
Subtitling mode		2	bslbf
reserved		1	bslbf
Film camera mode		1	bslbf
CGMS		2	bslbf
APSTB		2	bslbf
Source		1	bslbf
reserved		3	bslbf
}			

Fig. 39

Syntax	No. of bits	Value
encode_info()		
encode_info(){		
video_resolution	4	bslbf
reserved	2	bslbf
encode_condition	2	bslbf
reserved	8	bslbf
FVFPSI	48	bslbf
reserved	8	bslbf
PES-info()	976(=8 * 122)	
}		

Fig.40

PES_INFO(	SYNTA	NO. OF BITS	VALU
PES_info(){			
for(j=0;j<136;j++){			
PES_existence_flag	1	bslbf	
PES_payload_identifier	1	bslbf	
if(PES_payload_identifier==0b){			
picture_coding_type	2	bslbf	
}			
if(PES_payload_identifier==1b){			
stream_identifier	1	bslbf	
sync_presentation_flag	1	bslbf	
}			
}			
while(!bytealigned)			
zero_bit	1	bslbf	
}			

Fig. 41

MakersPrivateData()	Syntax	No. of bits	Value
MakersPrivateData(){			
maker_ID		16	uimsbf
maker_private_data		312(=39*8)	bslbf
}			

**10/552371**

*Fig. 42A*

PID assignments	
PID value	meaning
0x1031	The PID of the transport packets which carry the Tip data stream

*Fig. 42B*

stream_type assignments	
stream_type value	Description
0xC3	Tip data stream

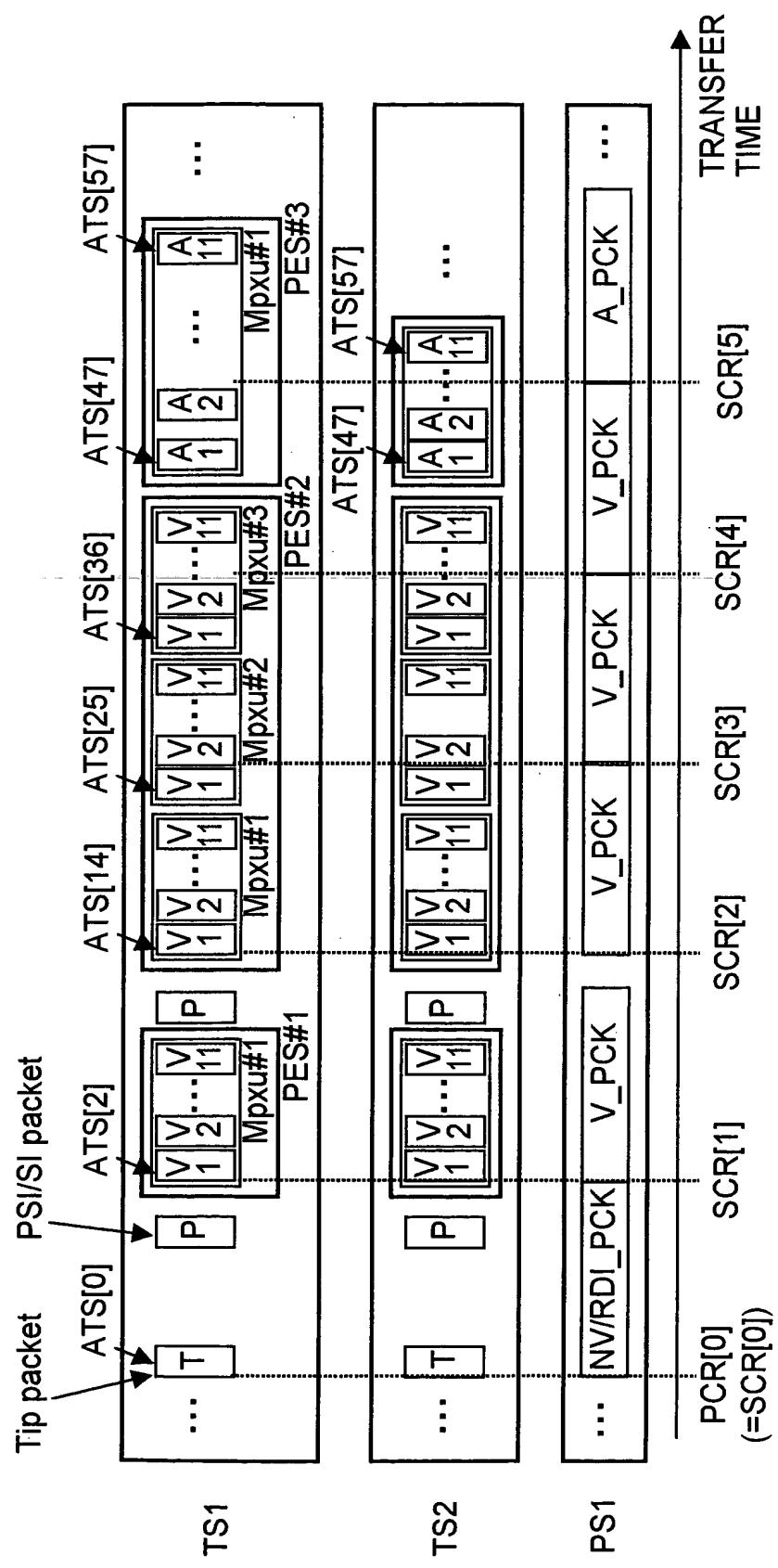
Fig.43

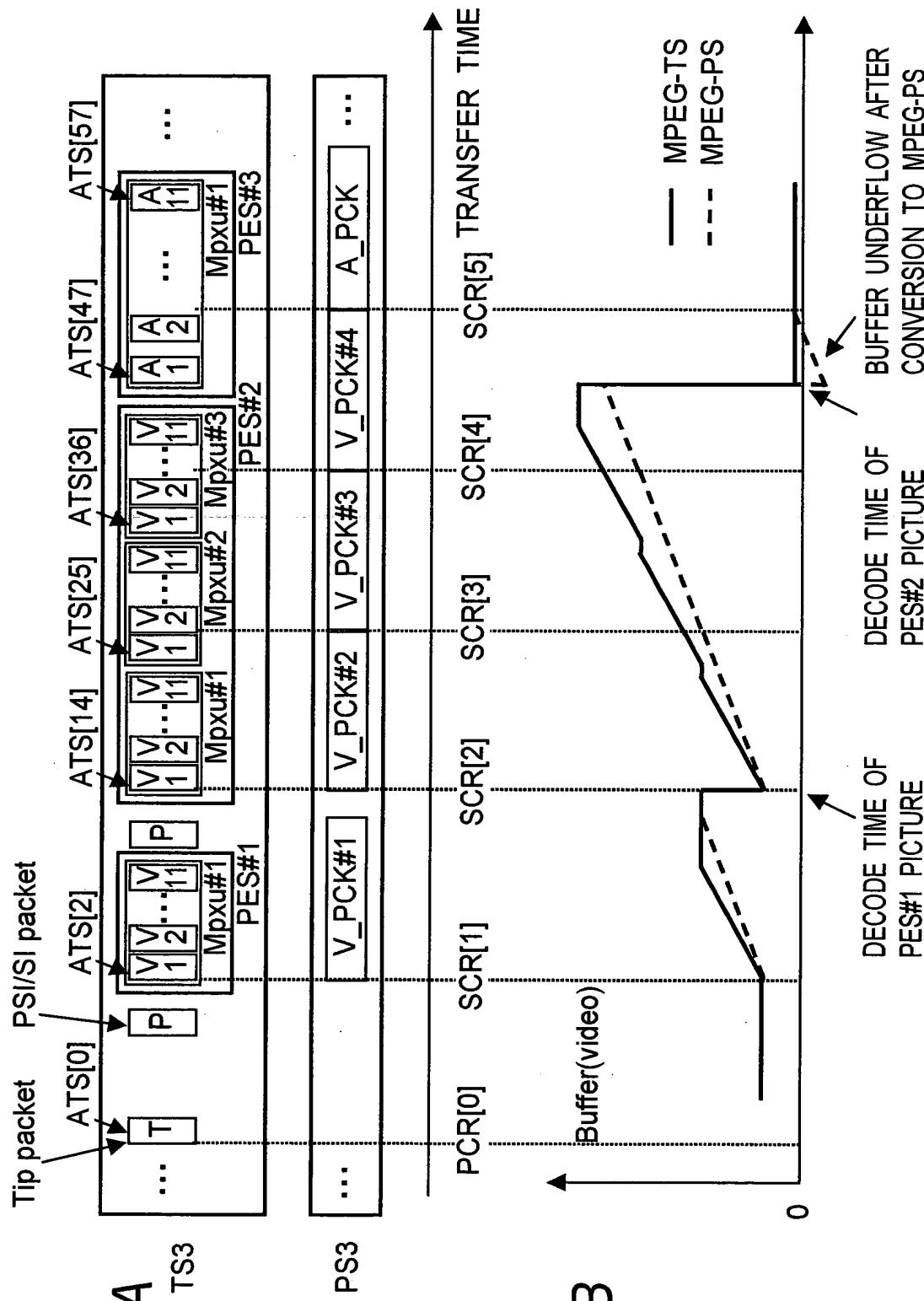
PES PACKET HEADER OF PES PACKET IN CONSTRAINED SESF	
fields	Permitted value in Constrained SESF
PES_packet_length	CONFOM TO ISO/IEC13818-1
PES_priority	0b
data_alignment_indicator	0b
copyright	0b
PTS_DTS_flags	00b,10b or 11b
ESCR_flag	0b
ES_rate_flag	0b
DSM_trick_mode_flag	0b
additional_copy_info_flag	0b
PES_CRC_flag	0b
PES_extension_flag	Refer to Fig.31
PES_header_data_length	Refer to Fig.31
PES_private_data_flag	0b, if exists
pack_header_field_flag	0b, if exists
program_packet_sequence_counter_flag	0b, if exists
P-STD_buffer_flag	0b, if exists
PES_extension_flag_2	0b, if exists
stuffing_byte	STUFFED FULLY WITH '0xFF'

Fig.44

CONSTRAINT FOR PES_extension_flag AND PES_header_data_length				
PES packet	encode_condition=01b		encode_condition=11b	
STORED DATA	MULTIPLEXED POSITION	VALUE OF PES_extension_flag AND PES_header_data_length	BYTE LENGTH OF stuffing_byte	VALUE OF PES_extension_flag AND PES_header_data_length BYT LENGTH OF stuffing_byte
FIRST FOLLOWING TIP PACKET MPEG2-Video, MPEG1-Audio	PES_extension_flag=1b	2	0	PES_extension_flag=0b PES_header_data_length=VPD
OTHERS	PES_extension_flag=0b PES_header_data_length=VPD	0	0	PES_extension_flag=0b PES_header_data_length=VPD
FIRST FOLLOWING TIP PACKET AC-3 audio	PES_extension_flag=1b PES_header_data_length=VPD+7	6	4	PES_extension_flag=0b PES_header_data_length=VPD+4 4
OTHERS	PES_extension_flag=0b PES_header_data_length=VPD+4	4	4	$\begin{cases} 0, & (\text{WHEN PTS\_DTS\_flags}=00b) \\ 5, & (\text{WHEN PTS\_DTS\_flags}=01b) \\ 10, & (\text{WHEN PTS\_DTS\_flags}=11b) \end{cases}$

Fig. 45





*Fig. 46A* TS3

Fig. 47

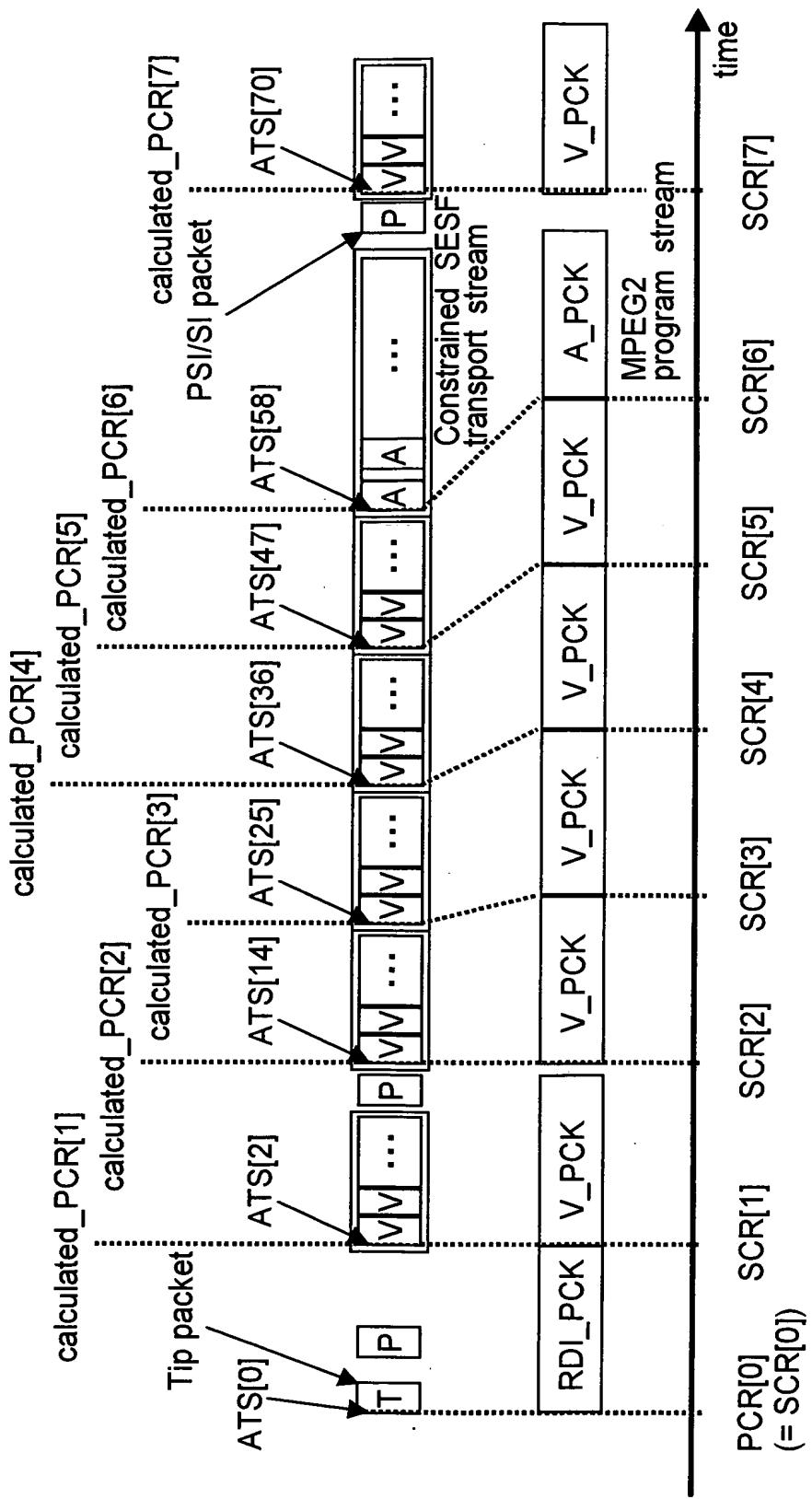


Fig. 48

ATTRIBUTE OF ELEMENTARY STREAM FOR encode_condition=11b		
	NTSC	PAL
Source picture resolution	720x480, 704x480, 352x480, 352x240 (*Note1)	720x576, 704x576, 352x576, 352x288 (*Note1)
Aspect ratio	Display aspect ratio (*Note1) of 4:3 or 16:9	
Bit rate	9.8Mbps (MAXIMUM)	
GOP length	36 or less display fields	30 or less display field
Sequence_end_code	once in end of VOB	
Video	GOP layer user data (same format as DVD VR) Picture layer (same format as ATSC)	N/A
Closed Captioning data		Teletext transport packet (same format as DVB)
Teletext	N/A	
WSS	(Tip transport packet)	Tip transport packet user_data (SESF original format)
Quantization	16bits	
Sampling frequency	48KHz	
Bit rate	64-384Kbps for MPEG-1 Audio, 64-448Kbps for AC-3 (*Note1)	
Number of audio channels	1-2ch for MPEG-1 Audio, 1-5.1ch for AC-3 (*Note1)	
Audio		

10/552371

**Fig. 49**

ATTRIBUTE OF ELEMENTARY STREAM FOR encode_condition=01b		
	NTSC	PAL
Source picture resolution	720x480, 704x480, 544x480, 480x480, 352x480, 352x240 (*Note2)	720x576, 704x576, 544x576, 480x576, 352x576, 352x288 (*Note2)
Aspect ratio	Display aspect ratio (*Note2) of 4:3 or 16:9	9.8Mbps (MAXIMUM)
Bit rate		
GOP length	36 or less display fields	30 or less display fields
Sequence_end_code	at least 90 display fields for sequence_end_code (*Note3)	at least 75 display fields for sequence_end_code (*Note3)
Video	GOP layer user_data (same format as DVD VR) Picture layer (same format as ATSC)	N/A
Closed Captioning data		Teletext transport packet (same format as DVB)
Teletext	N/A	
WSS	(Tip transport packet)	Tip transport packet Picture layer user_data (SESF original format)
Quantization		16bits
Audio	Sampling frequency	48KHz
	Bit rate	64-384Kbps for MPEG-1 Audio, 64-448Kbps for AC-3 (*Note1)
	Number of audio channels	1-2ch and dual mono for MPEG-1 Audio, 1-5.1ch and dual mono for AC-3 (*Note4)

Fig. 50

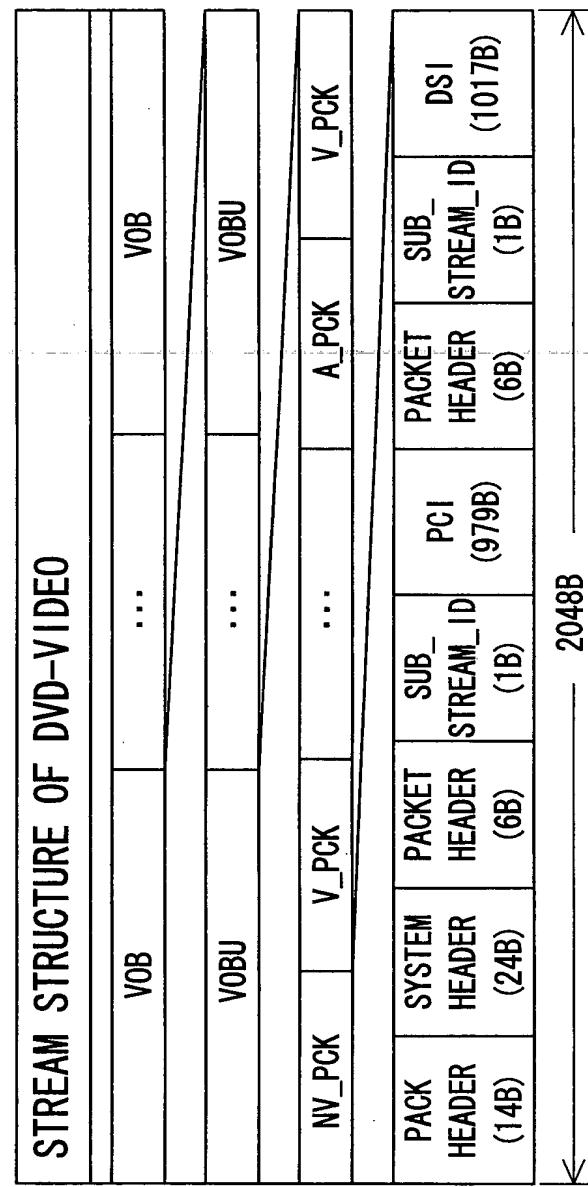


Fig. 51

PCI_OF_NV_PCK	SYNTAX	NO. OF BITS	MNEMONIC
PCI()			
PCI_GI()		480 (=8*60)	
NSML_AGLI()		288 (=8*36)	
HLI()		5552 (=8*694)	
RECI()		1512 (=8*189)	
			}

10/552371

Fig. 52

PCI_GI_OF_NV_PCK			
SYNTAX	NO. OF BITS	MNEMONIC	
PCI_GI_O {			
NV_PCK_LBN	32	uimbsbf	
VOBU_CAT	16	bslbf	
reserved	16	bslbf	
VOBU_UOP_CTL	32	bslbf	
VOBU_S_PTW	32	uimbsbf	
VOBU_E_PTW	32	uimbsbf	
VOBU_SE_E_PTW	32	uimbsbf	
C_ELTW	32	bslbf	
reserved	256	bslbf	
}			

10/552371

Fig. 53

DSI OF NV_PCK	NO. OF BITS	MNEMONIC
SYNTAX		
DSI () {		
DSI_GI ()	256 (=8*32)	
SML_PBI ()	1184 (=8*148)	
SML_AGLI ()	432 (=8*54)	
VOBU_SRI ()	1344 (=8*168)	
SYNC ()	1152 (=8*144)	
reserved	3768 (=8*471)	bslbf
}		

Fig. 54

DSI_GI_OF NV_PCK			
SYNTAX	NO. OF BITS	MNEMONIC	
DSI_GI () {			
NV_PCK_SCR	32	uimsbf	
NV_PCK_LBN	32	uimsbf	
VOBU_EA	32	uimsbf	
VOBU_1STREF_EA	32	uimsbf	
VOBU_2NDREF_EA	32	uimsbf	
VOBU_3RDREF_EA	32	uimsbf	
VOBU_VOB_IDN	16	uimsbf	
reserved	8	bslbf	
VOBU_C_IDN	8	uimsbf	
C_ELTM	32	bslbf	
}			

Fig. 55

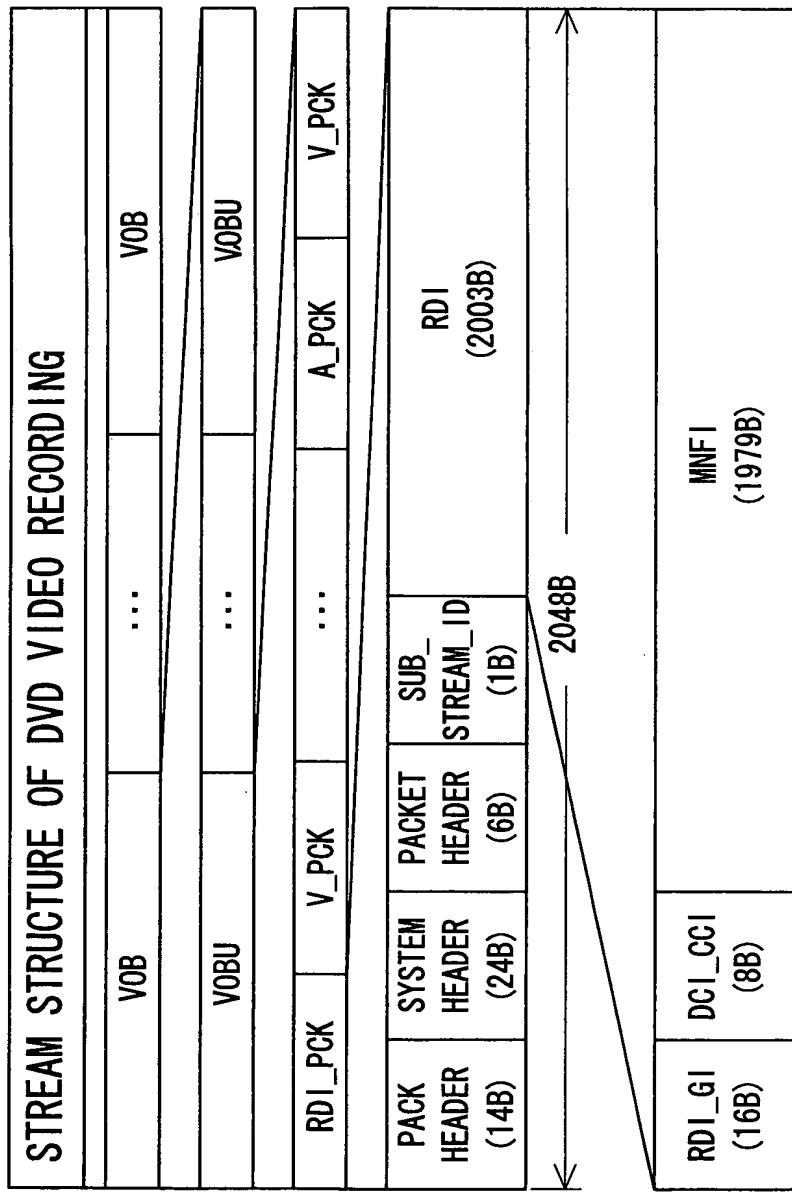
SML_PBI OF NV_PCK	SYNTAX	NO. OF BITS	MNEMONIC
PML_PBI () {			
V0BU_SML_CAT	16	bs lbf	
ILVU_EA	32	uimsbf	
NXT_ILVU_SA	32	uimsbf	
NXT_ILVU_SS	16	uimsbf	
V0B_V_S_PTW	32	uimsbf	
V0B_V_E_PTW	32	uimsbf	
V0B_A_STP_PTW	512 (=8*64)	bs lbf	
V0B_A_GAP_LEN	512 (=8*64)	bs lbf	
}			

Fig. 56

SYNCl OF NV_PCK			
SYNTAX		NO. OF BITS	MNEMONIC
SYNCl () {			
A_SYNC0	16	bslbf	
:			
A_SYNC7	16	bslbf	
SP_SYNC0	32	bslbf	
:			
SP_SYNC31	32	bslbf	
}			

**10/552371**

*Fig. 57*



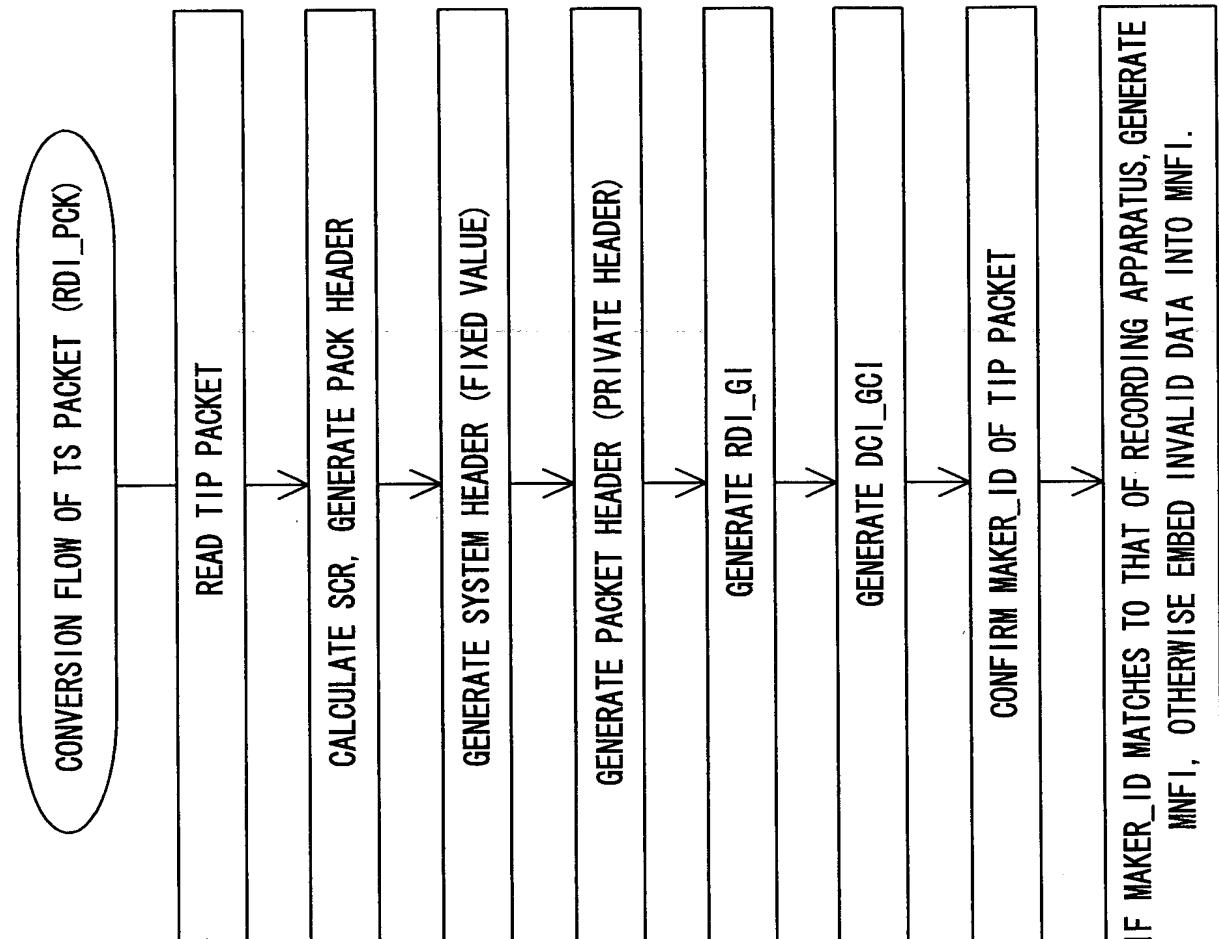


Fig. 58

Fig. 59

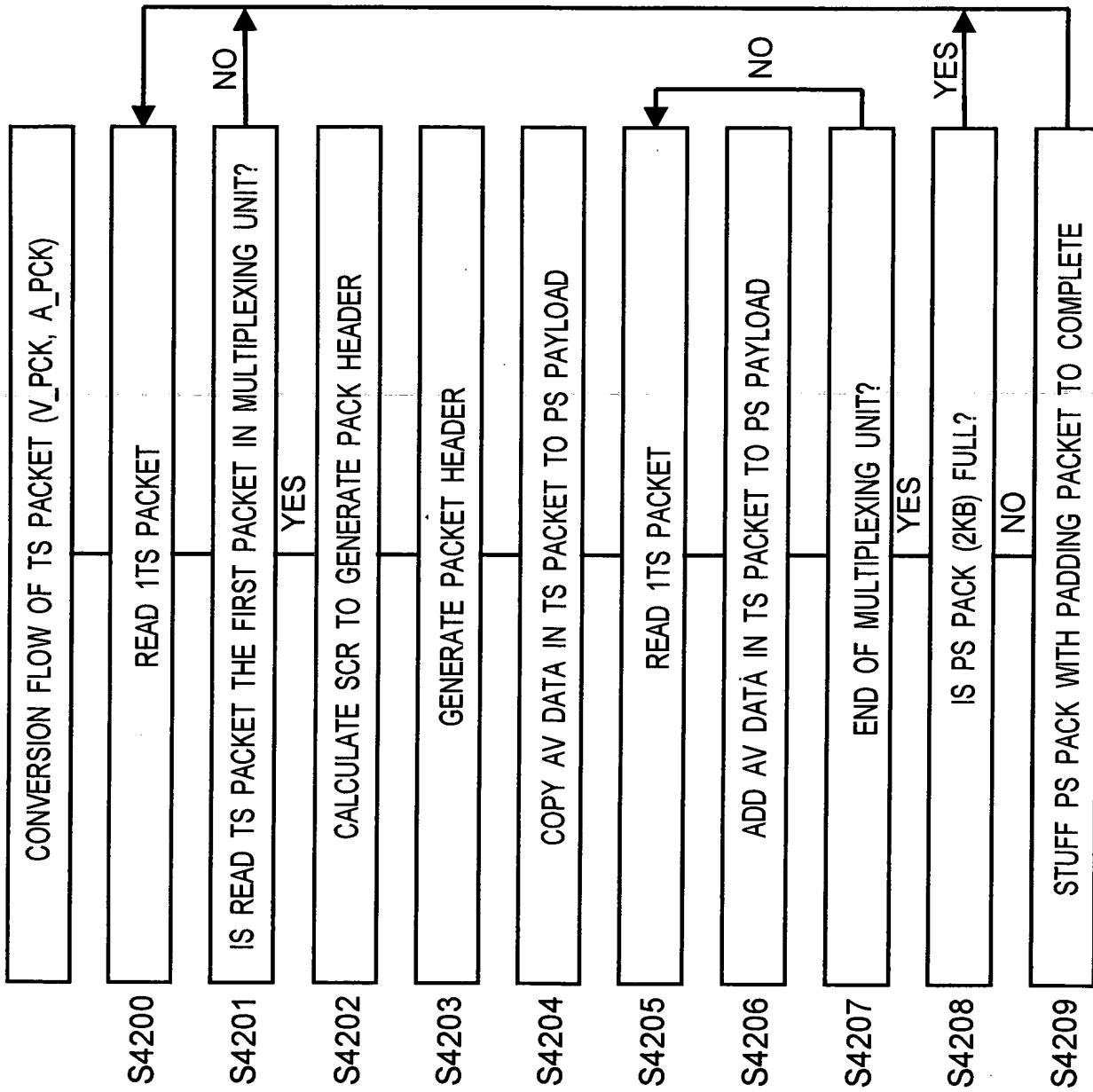


Fig. 60

PACK HEADER OF PACK IN MPEG2-PS				
Field		Number of bits	Permitted value	
Pack_start_code	32		000001BAh	
'01'	2		01b	
SCR_base[32..30]	3			
marker_bit	1		1b	
SCR_base[29..15]	15			
marker_bit	1		1b	
SCR_base[14..0]	15			
marker_bit	1		1b	
SCR_extension	9			
marker_bit	1		1b	
program_mux_rate	22		6270h	
marker_bit	1		1b	
marker_bit	1		1b	
reserved	5		11111b	
pack_stuffing_length	3		000b	

Fig. 61

SYSTEM HEADER OF DVD FORMAT		
FIELD	NUMBER OF BITS	PERMITTED VALUE
system_header_start_code	32	000001BBh
header_length	16	18
marker_bit	1	1b
rate_bound	22	6270h
marker_bit	1	1b
audio_bound	6	0 to 2
fixed_flag	1	0b
CSPS_flag	1	Provider defined
system_audio_lock_flag	1	1b
system_video_lock_flag	1	1b
marker_bit	1	1b
video_bound	5	1
Packet_rate_restriction_flag	1	Provider defined
reserved_bits	7	7Fh
stream_id	8	B9h (all video streams)
'11'	2	11b
P-STD_buf_bound_scale	1	1b
P-STD_buf_size_bound	13	232
stream_id	8	B8h (all audio streams)
'11'	2	11b
P-STD_buf_bound_scale	1	0
P-STD_buf_size_bound	13	32
stream_id	8	BDh (private_stream_1)
'11'	2	11b
P-STD_buf_bound_scale	1	1b
P-STD_buf_size_bound	13	58
stream_id	8	BFh (private_stream_2)
'11'	2	11b
P-STD_buf_bound_scale	1	1b
P-STD_buf_size_bound	13	2

Fig. 62A

PACKET HEADER OF RDI_PCK			
FIELD	NUMBER OF BITS	PERMITTED VALUE	
packet_strat_code_prefix	24	000001h	
stream_id	8	BFh (private_stream_2)	
PES_packet_length	16	07D4h	

Fig. 62B

PRIVATE HEADER OF RDI_PCK			
FIELD	NUMBER OF BITS	PERMITTED VALUE	
sub_stream_id	8	50h	

Fig. 63

PACKET HEADER OF PACKET IN MPEG2-PS			
Field	Number of bits	Permitted value	
PES_priority	1	0b	
data_alignment_indicator	1	0b	
copyright	1	0b	
ESCR_flag	1	0b	
ES_rate_flag	1	0b	
DSM_trick_mode_flag	1	0b	
additional_copy_info_flag	1	0b	
PES_CRC_flag	1	0b	
PES_extension_flag	1	same value as Constrained SESF	
PES_header_data_length	8	same value as Constrained SESF	
PES_private_data_flag	1	0b, if exists	
pack_header_field_flag	1	0b, if exists	
Program_packet_sequence_counter_flag	1	0b, if exists	
P-STD_buffer_flag	1	1b, if exists	
PES_extension_flag_2	1	0b, if exists	
stuffing_byte	8*N	stuffed fully with '0 x FF'	

Fig. 64

PRIVATE HEADER OF AC-3 IN DVD FORMAT		
FIELD	NUMBER OF BITS	PERMITTED VALUE
sub_stream_id	8	80h (primary) or 81h (secondary)
number_of_frame_headers	8	Provider defined
first_access_unit_pointer	16	0

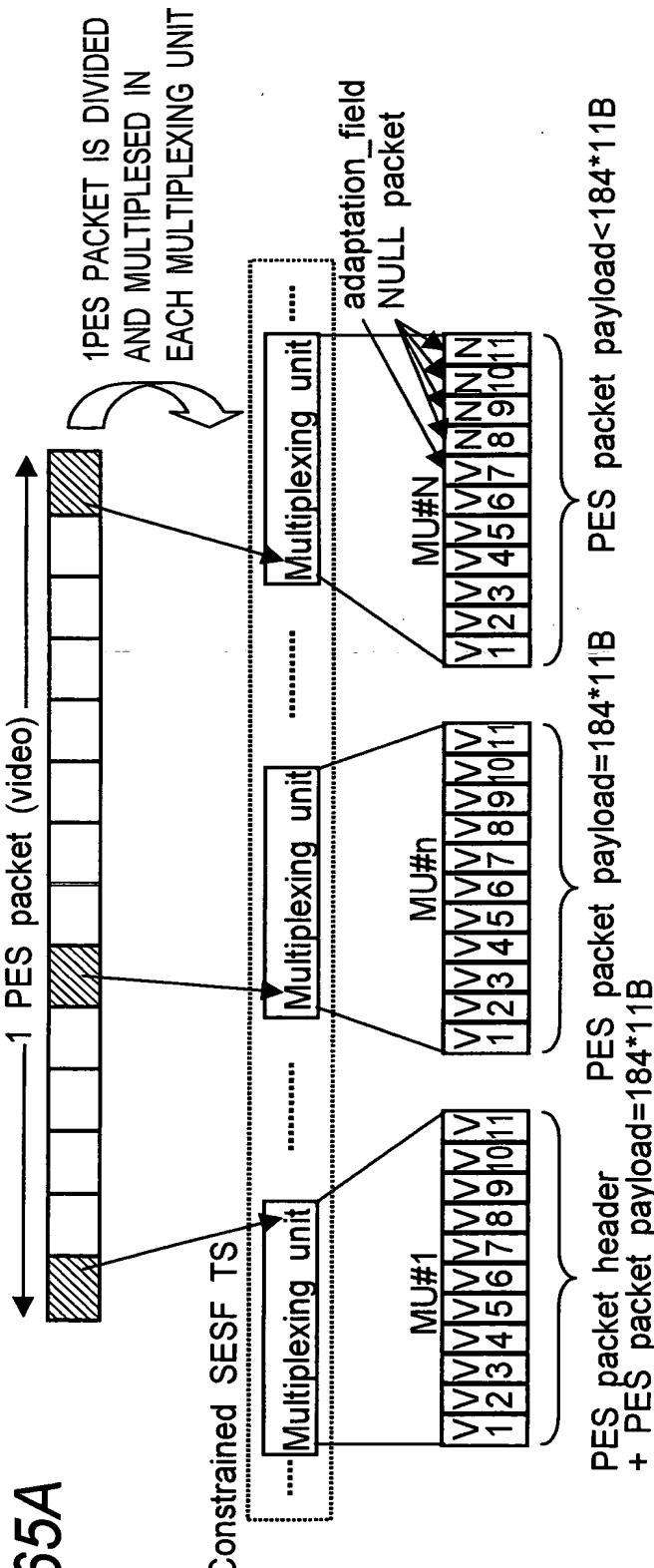


Fig. 65B

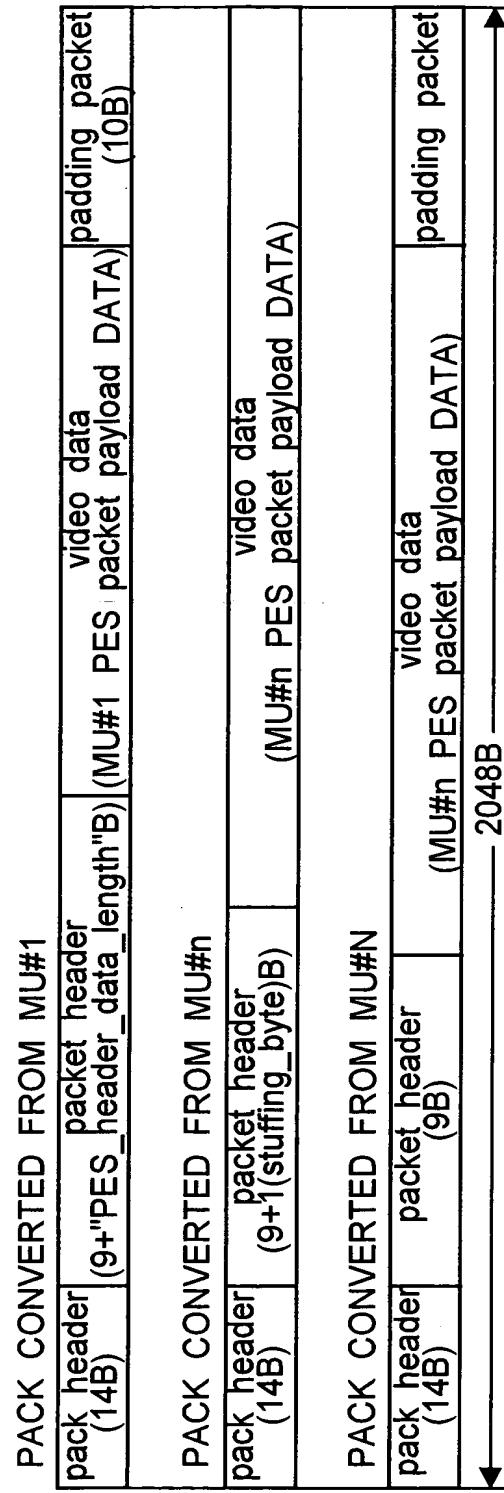


Fig. 66A

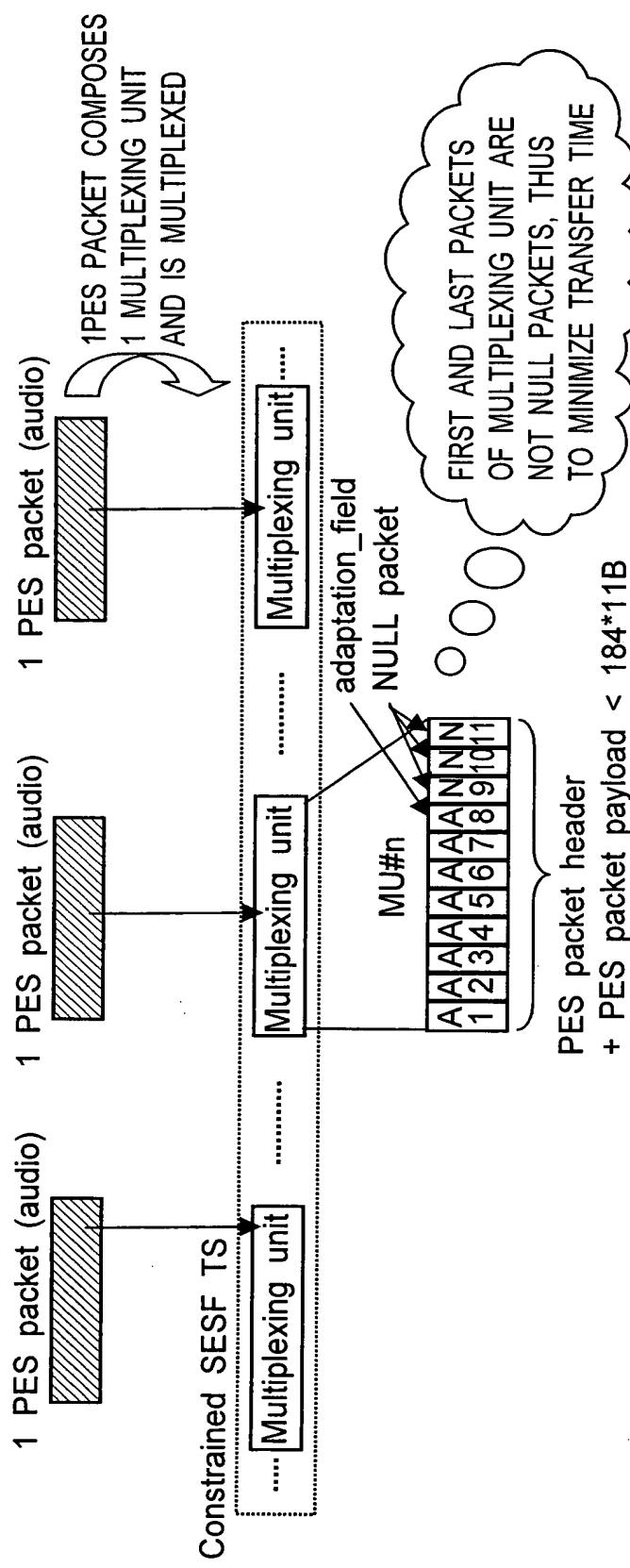


Fig. 66B

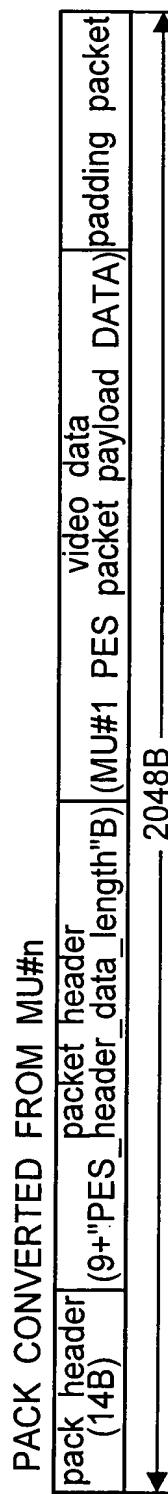


Fig. 67

BIT RATE ALLOWED IN Constrained SESF	MAXIMUM BYTE LENGTH OF PES PACKET PAYLOAD (AC-3 audio)	MAXIMUM BYTE LENGTH OF PES PACKET PAYLOAD (MPEG1-audio)
64 Kbps	1792	1920
80 Kbps	1920	1920
96 Kbps	1920	1728
112 Kbps	1792	1680
128 Kbps	1536	1920
160 Kbps	1920	1920
192 Kbps	1536	1728
224 Kbps	1792	1344
256 Kbps	1024	1536
320 Kbps	1280	1920
384 Kbps	1536	1152
448 Kbps	1792	N/A

Fig. 68

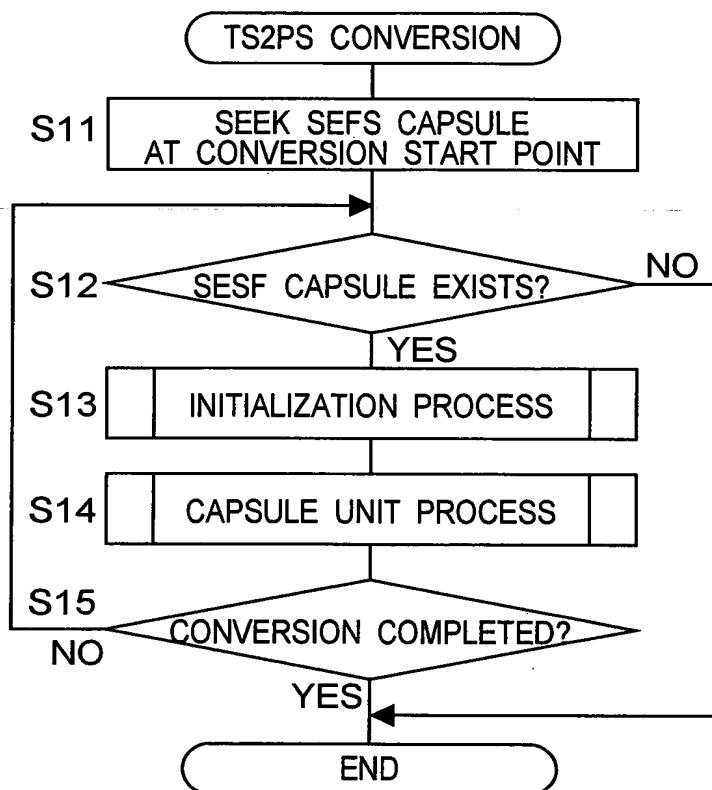


Fig.69

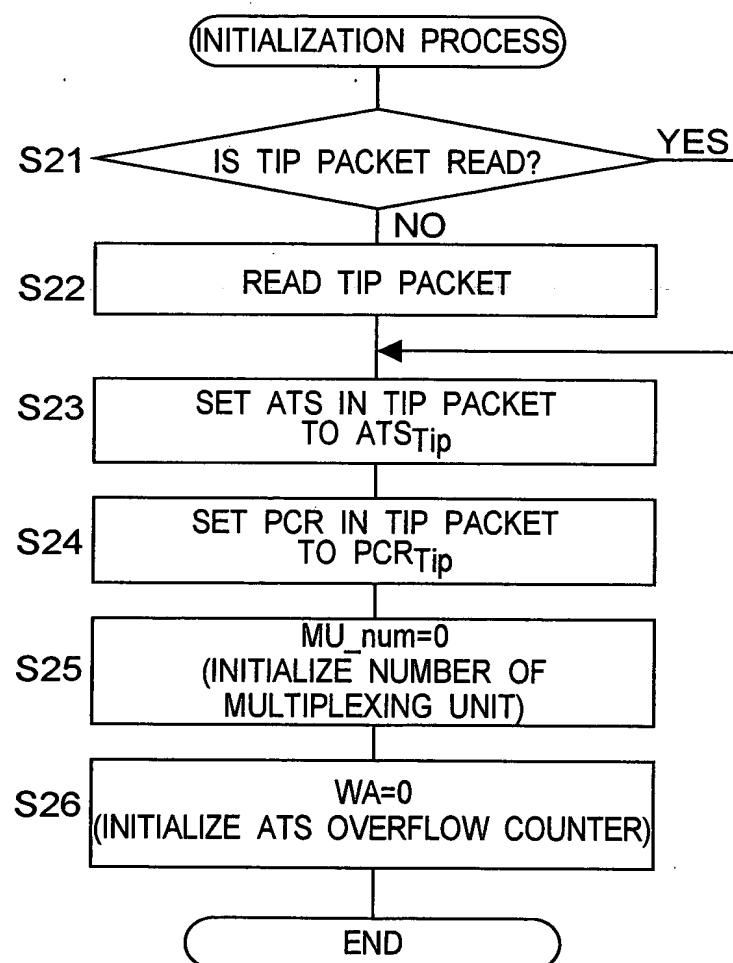
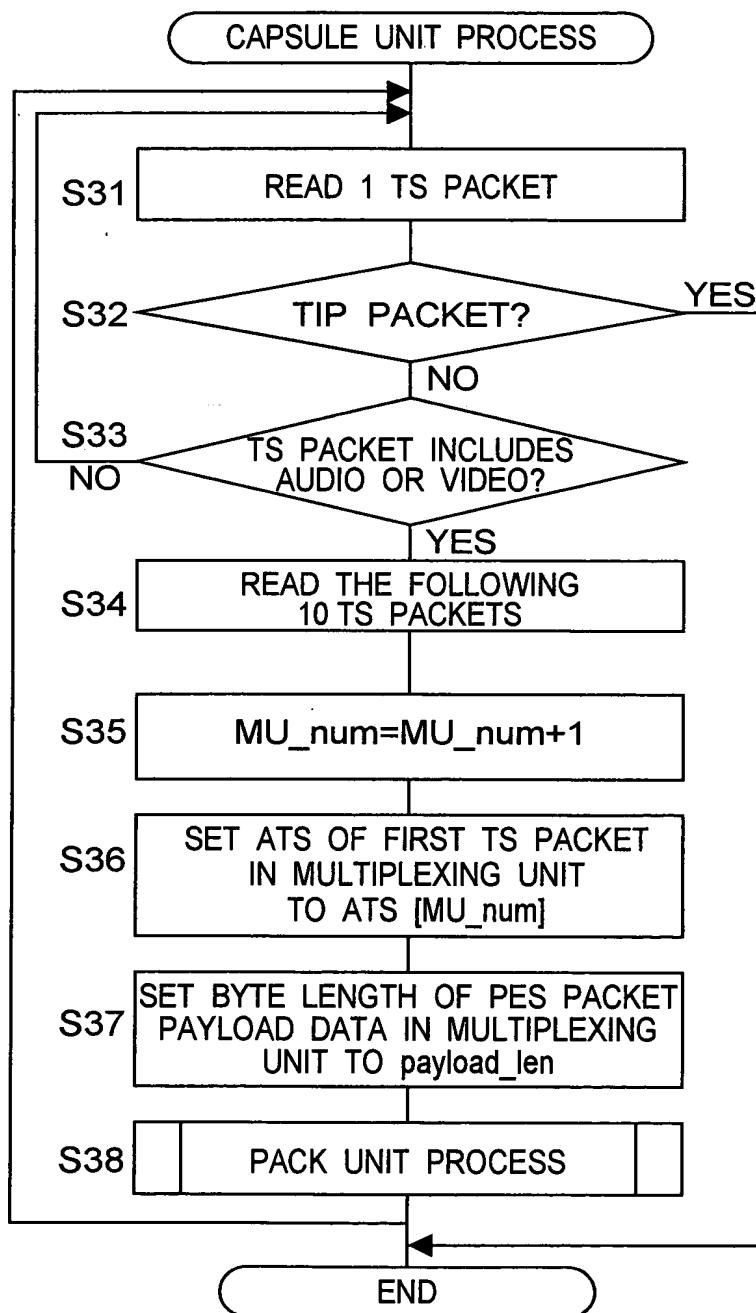


Fig. 70



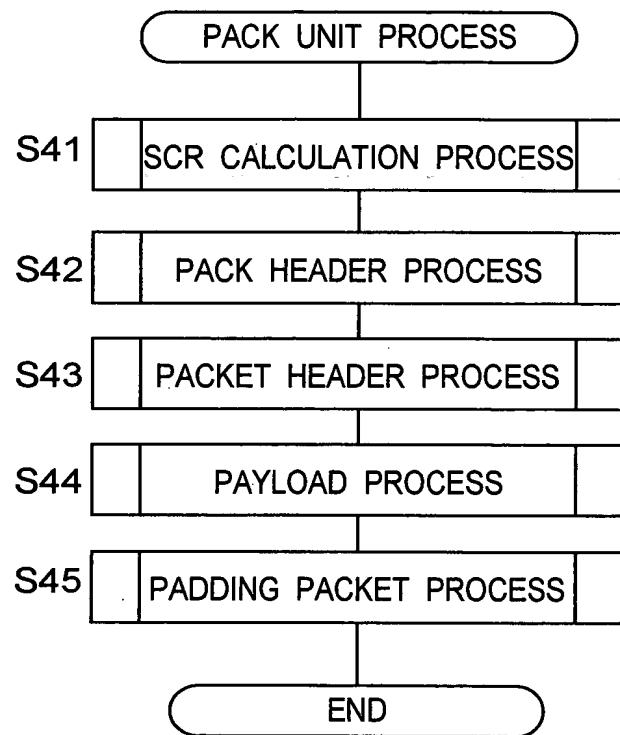
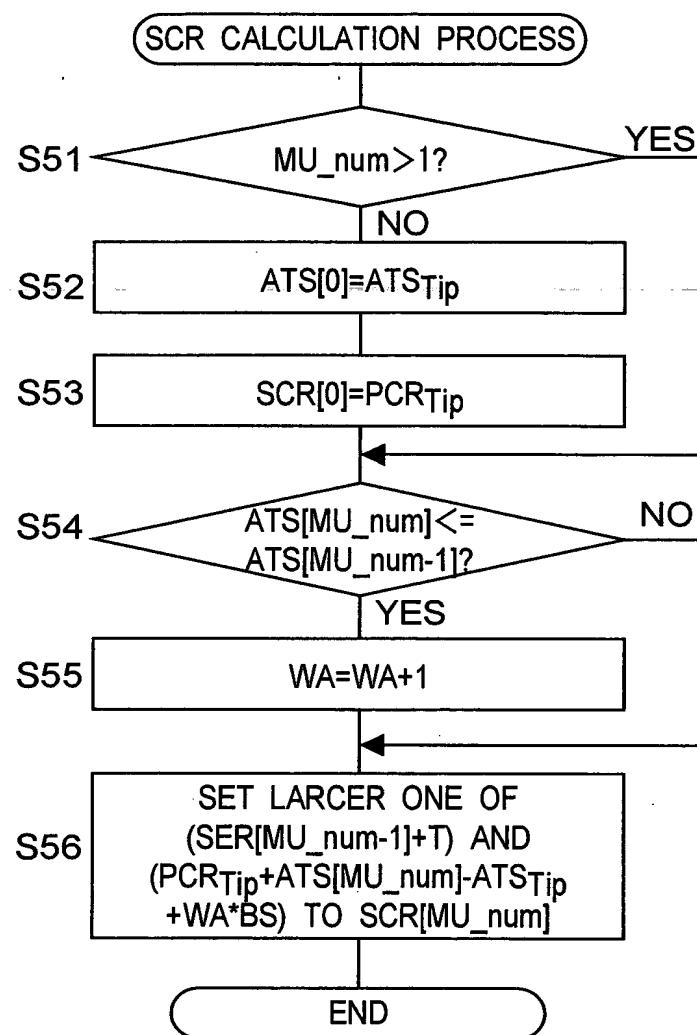
*Fig. 71*

Fig. 72



**10/552371**

*Fig. 73*

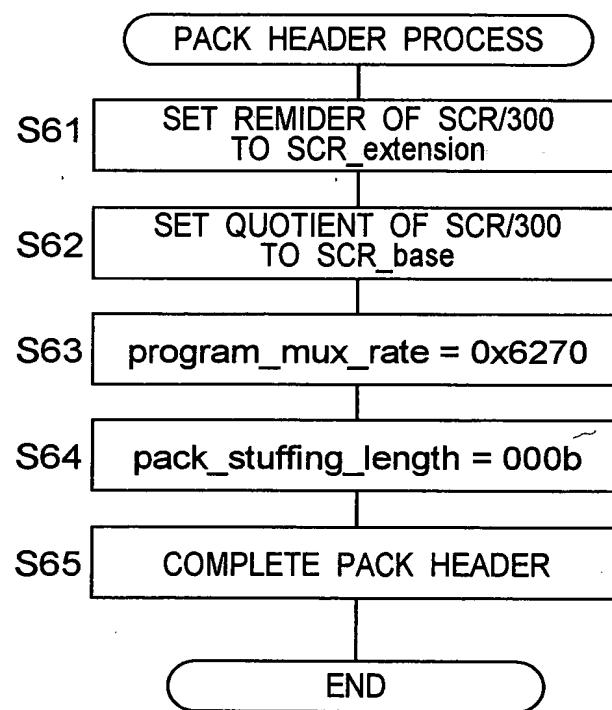


Fig. 74

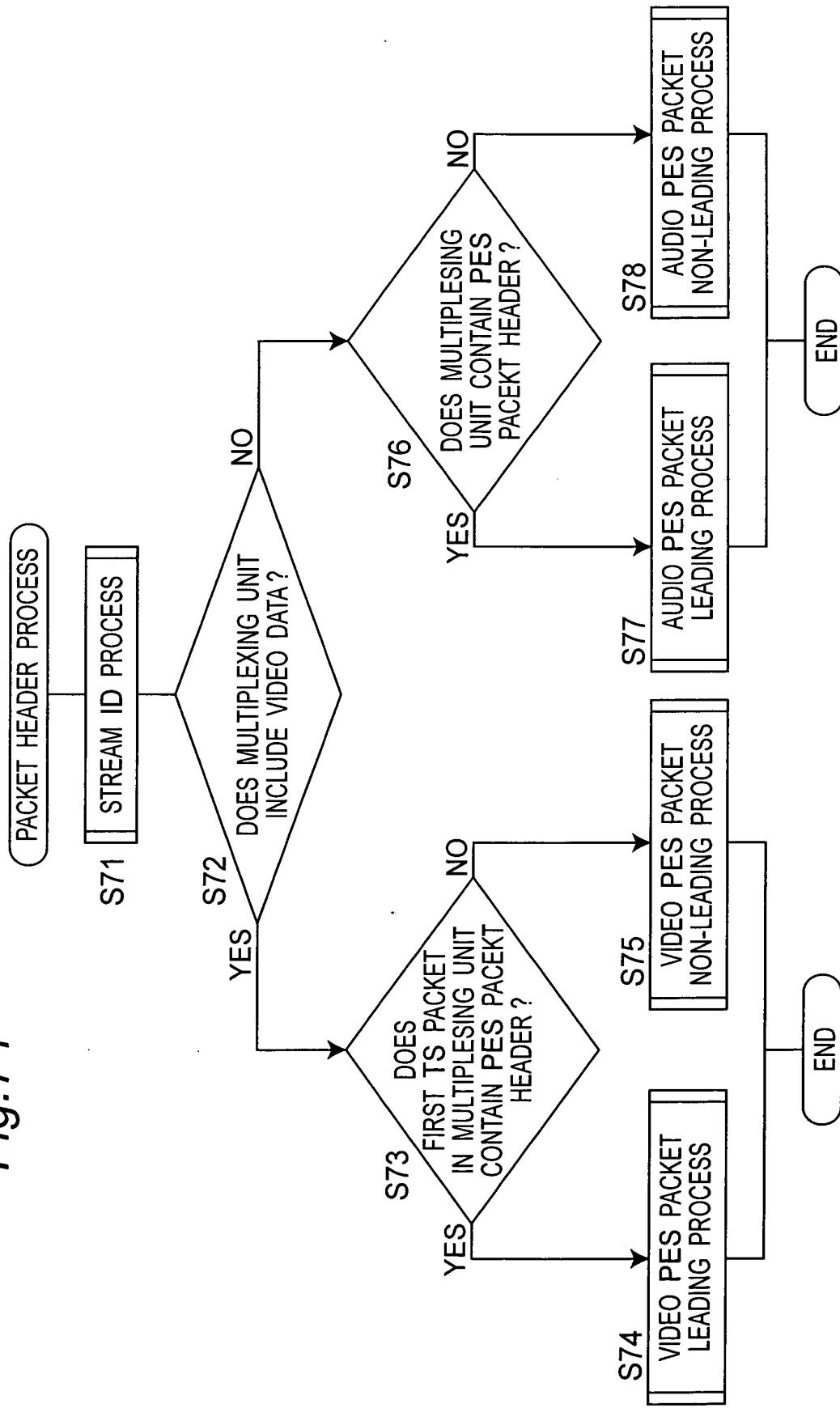


Fig. 75

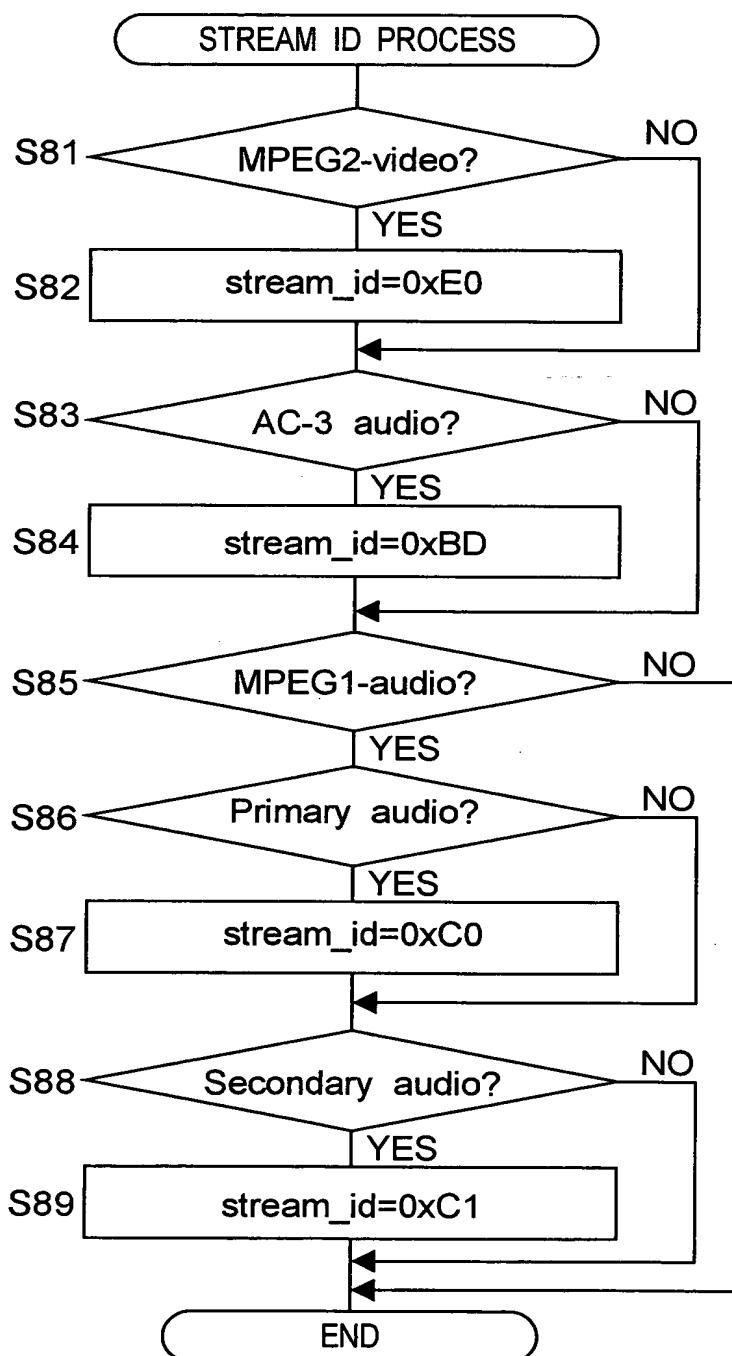


Fig.76A

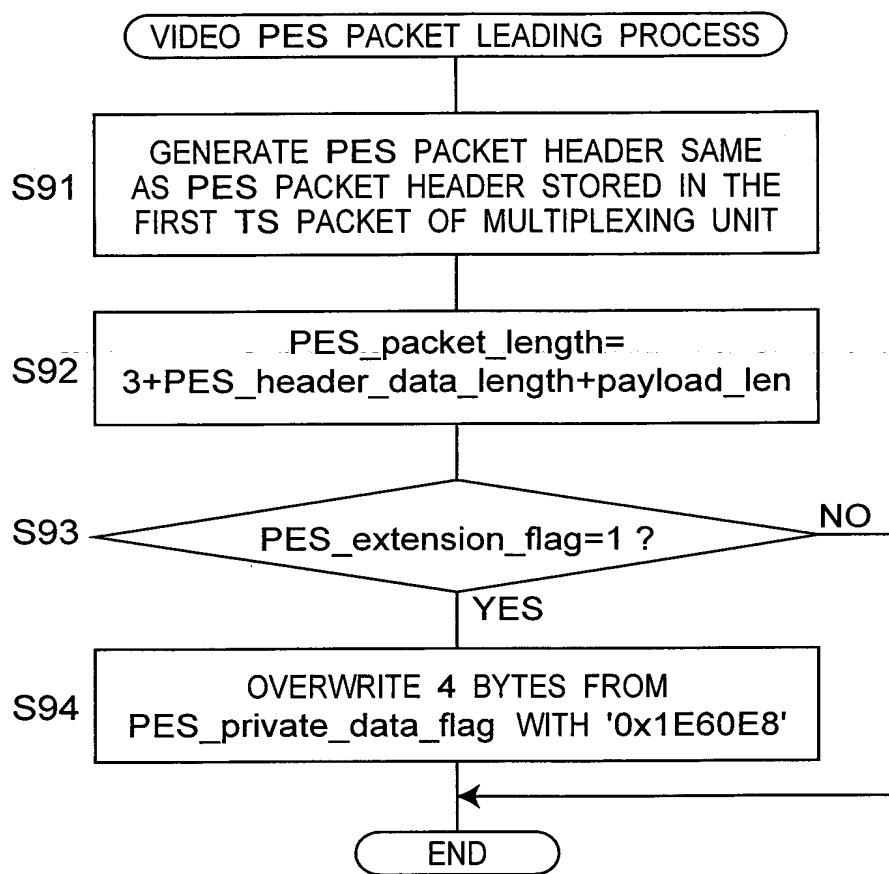


Fig.76B

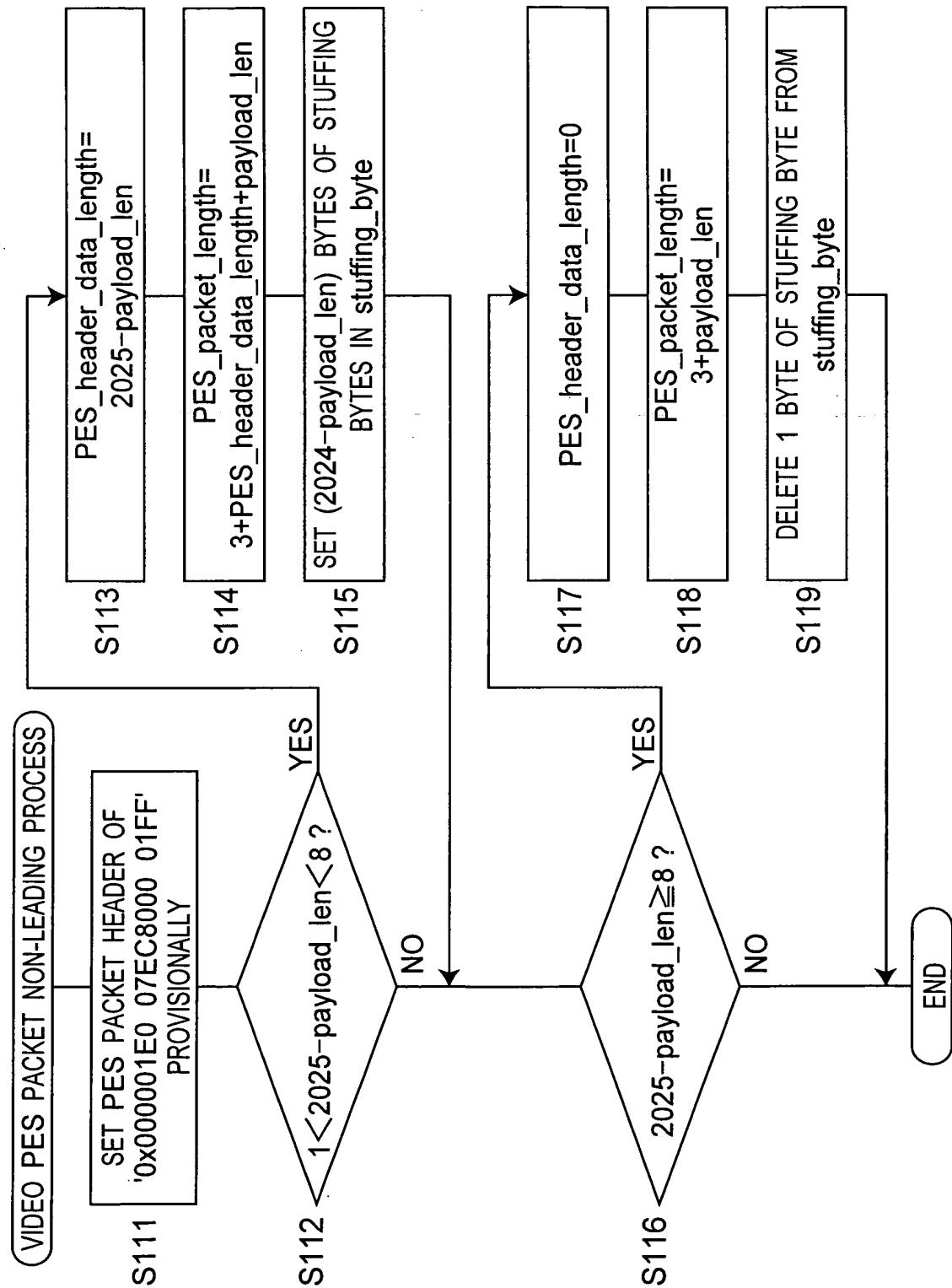


Fig.77A

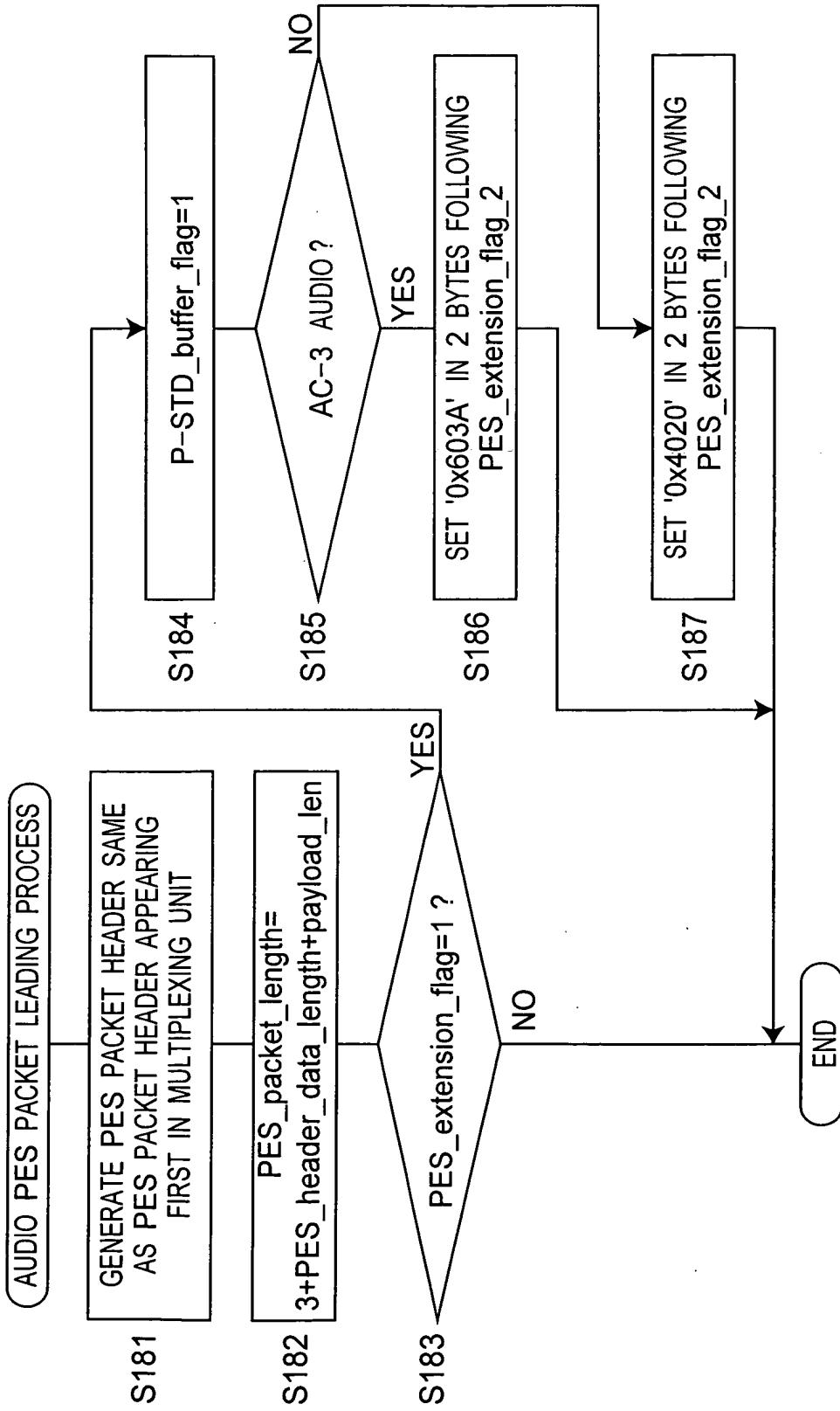


Fig.77B

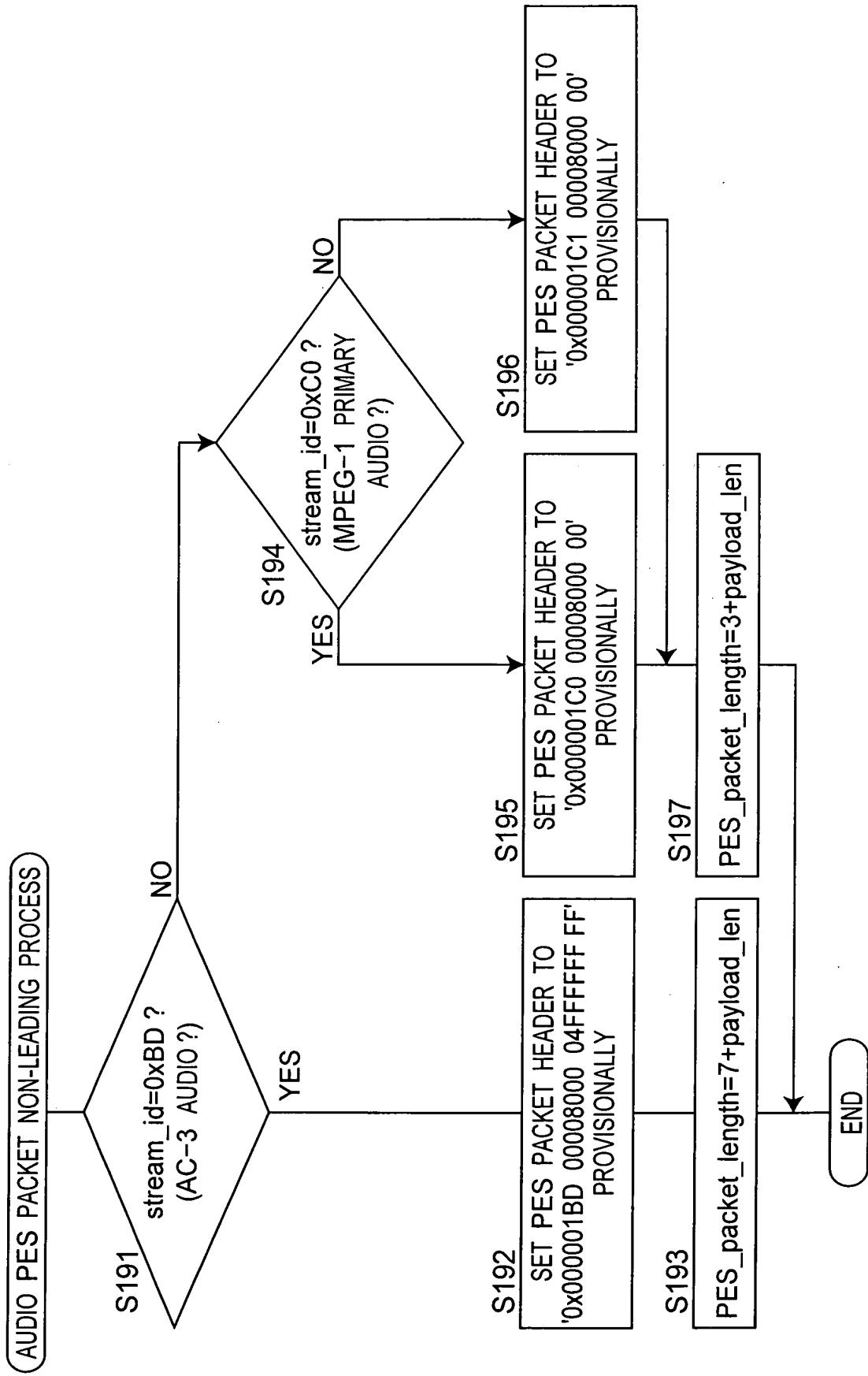


Fig.78

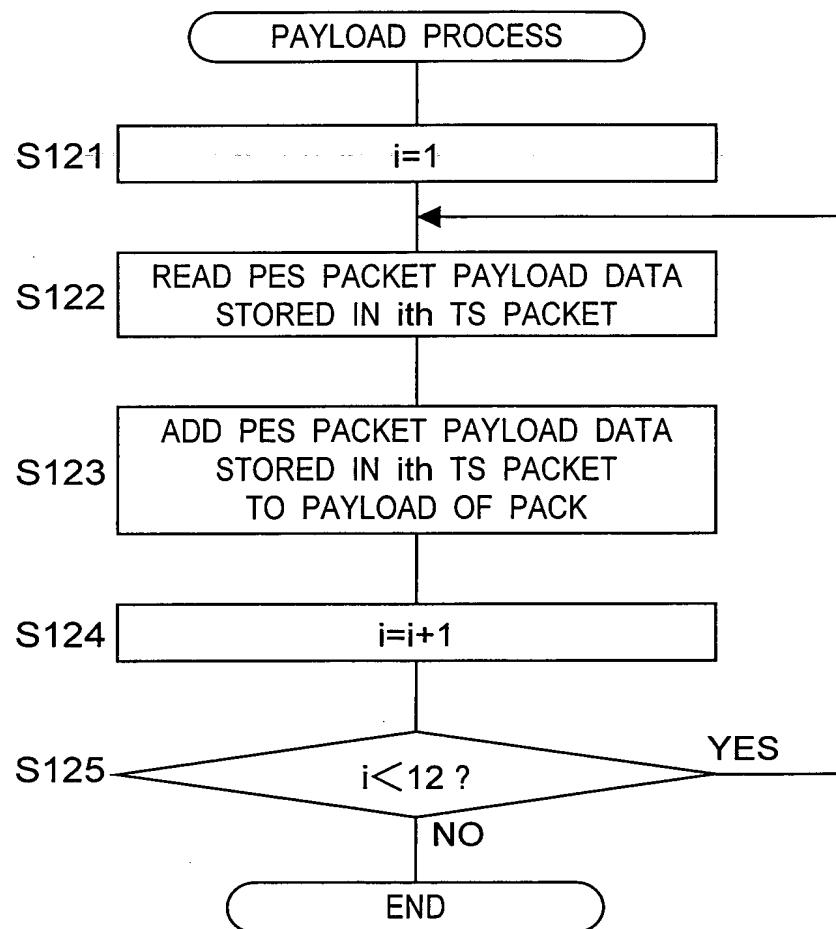


Fig.79

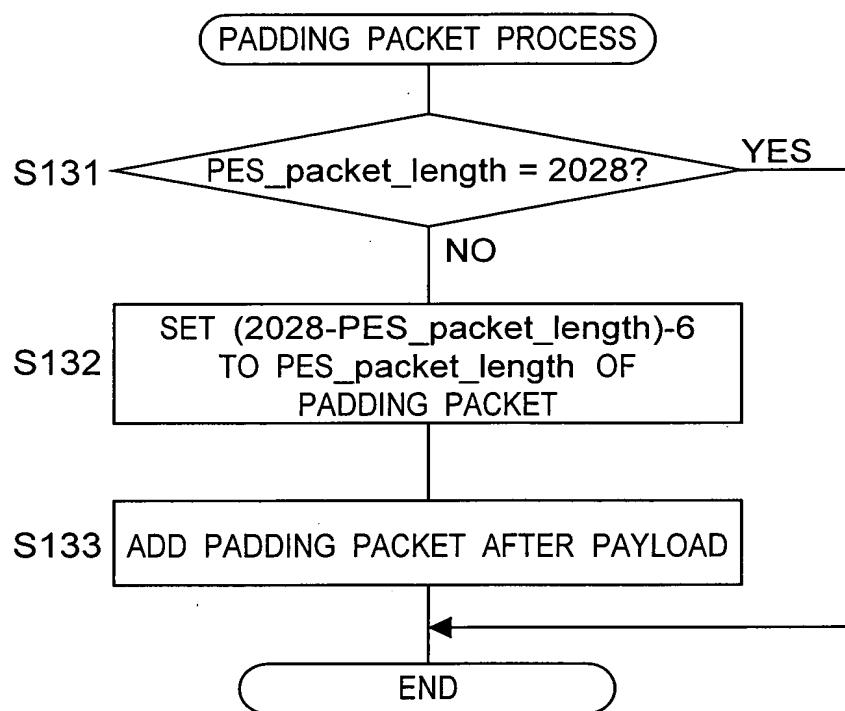


Fig. 80

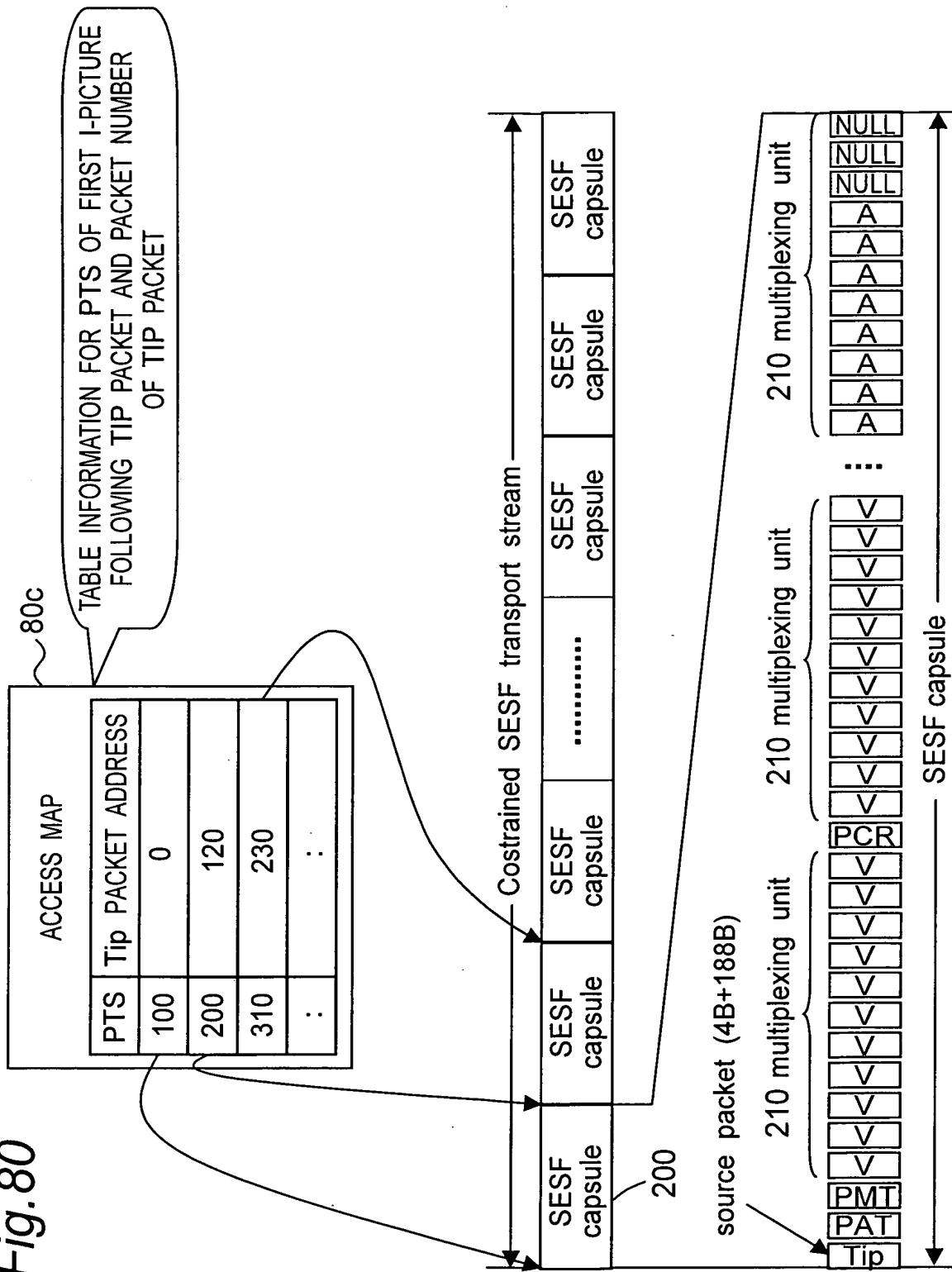


Fig.81

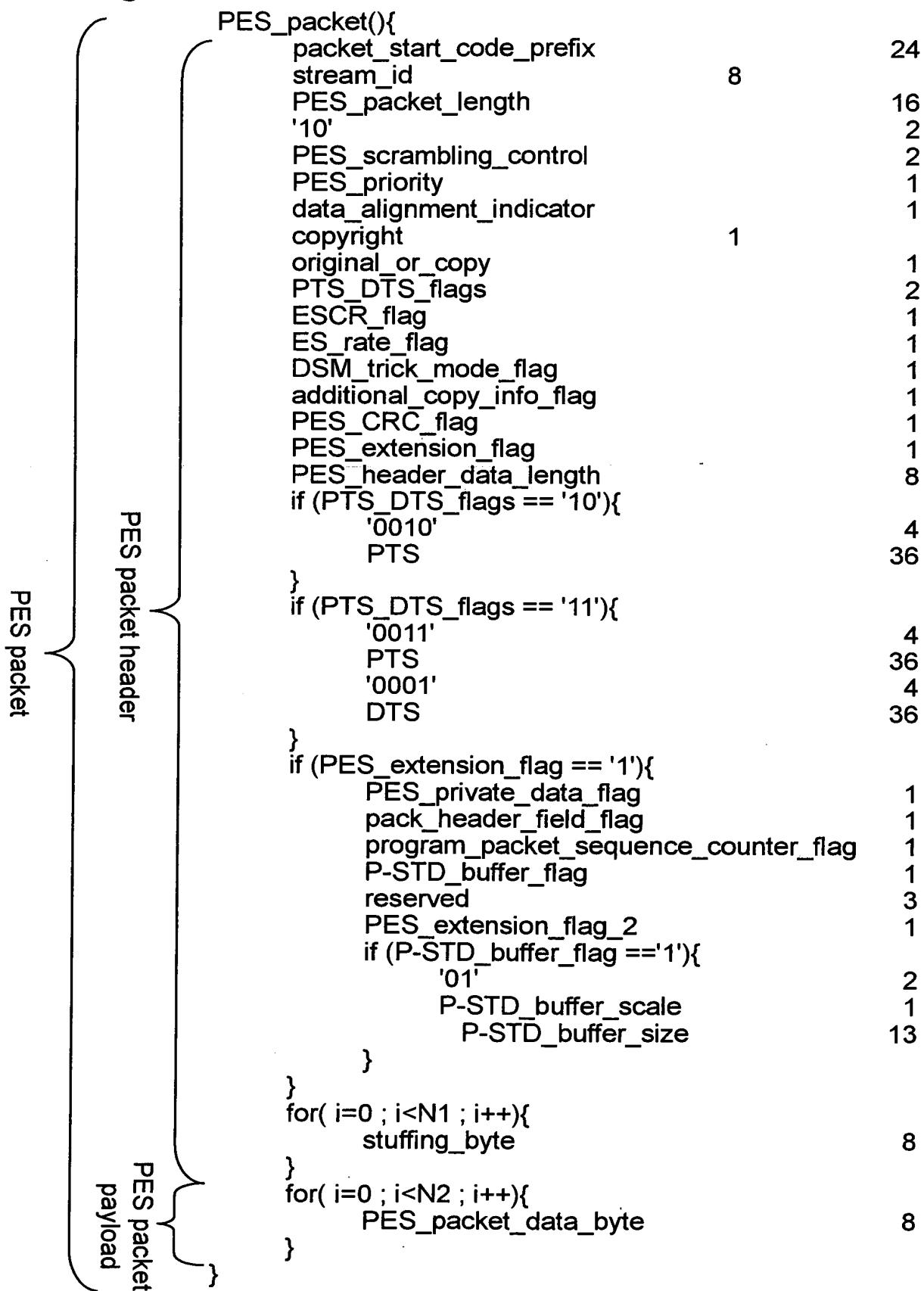


Fig. 82

## CALCULATION OF INTERNAL DATA OF NV\_PCK

	FIELD	CALCULATION METHOD
Pack header	SC	CALCULATE FROM ATS AND PCR OF Tip PACKET, AND ATS OF A HEAD Tip PACKET IN Multiplexing unit.
	NV_PCK_LBN	COUNT PACKS CONVERTED IN THE CONVERSION.
	VOBU_S_PTM	CALCULATE FROM FVFPT OF Tip PACKET.
PCI data	VOBU_E_PTM	CALCULATE FROM FVFPT OF NEXT Tip PACKET. ONLY FOR THE LAST NV_PCK, THE VALUE IS EQUAL TO VOB_V_E_PTM.
	VOBU_SE_E_PTM	EXCEPT FOR THE LAST NV_PCK, 0x00 IS FILLED. FOR THE LAST NV_PCK, THE VALUE IS EQUAL TO VOB_V_E_PTM.
	C_ELTM	CALCULATE FROM VOBU_S_PTM OF A HEAD VOBU IN CELL AND VOBU_S_PTM OF THE VOBU NV_PCK_SCR ASSIGN SCR OF NV_PCK TO THIS FILED
	NV_PCK_LBN	SAME TO PCI data
VOBU_EA	VOBU_EA	COUNT DURING TS2PS TO ASSIGN, OR CALCULATION FROM ACCESS MAP
	VOBU_1STREF_EA	COUNT PACKS UNTIL THE LAST PACK OF THE FIRST PES PACKET AFTER TS2PS CONVERSION OF WHICH picture_coding_type IS 01b OR 10b OF Tip PACKET, AND ASSIGN THE COUNT TO THIS FIELD.
DSI data	VOBU_2NDREF_EA	COUNT PACKS UNTIL THE LAST PACK OF SECOND PES PACKET AFTER TS2PS CONVERSION OF WHICH picture_coding_type IS 01b OR 10b OF Tip PACKET TO SUBSTITUTE.
	VOBU_3RDREF_EA	COUNT PACKS UNTIL THE LAST PACK OF THIRD PES PACKET AFTER TS2PS CONVERSION OF WHICH picture_coding_type IS 01b OR 10b OF Tip PACKET TO SUBSTITUTE.
	VOBU_C_IDN	ASSIGN THE NUMBER OF CELL TO WHICH THE CORRESPONDING NV_PCK IS BELONG (DESIGNATED BY RECORDER/USER)
	C_ELTM	SAME TO PCI data
	VOBV_S_PTM	ASSIGN VOBU_S_PTM OF THE FIRST VOBU.
	VOB_V_E_PTM	ASSIGN REPRODUCTION END TIME OF CONVERSION SECTION (IT MAY BE OBTAINED BEFORE TS2PS CONVERSION)
	VOBU_SRI	INFORMATION IS EXTRACTED WITH A SET OF NV_PCK_LBN AND VOBU_S_PTM ON TS2PS CONVERSION AND THEN ASSIGNED IT TO THIS FIELD. ALTERNATELY, A VALUE CALCULATED FROM ACCESS MAP.
	A_SYNCA	COMPARING VOBU_S_PTM OF NV_PCK WITH AUDIO PTS, THE NUMBER OF PACKS COUNTED TO ONE PACK BEFORE THE PACK AUDIO PTS IS GREATER THAN VOBU_S_PTM AT THE FIRST TIME IS ASSIGNED TO THIS FIELD.

Fig. 83A

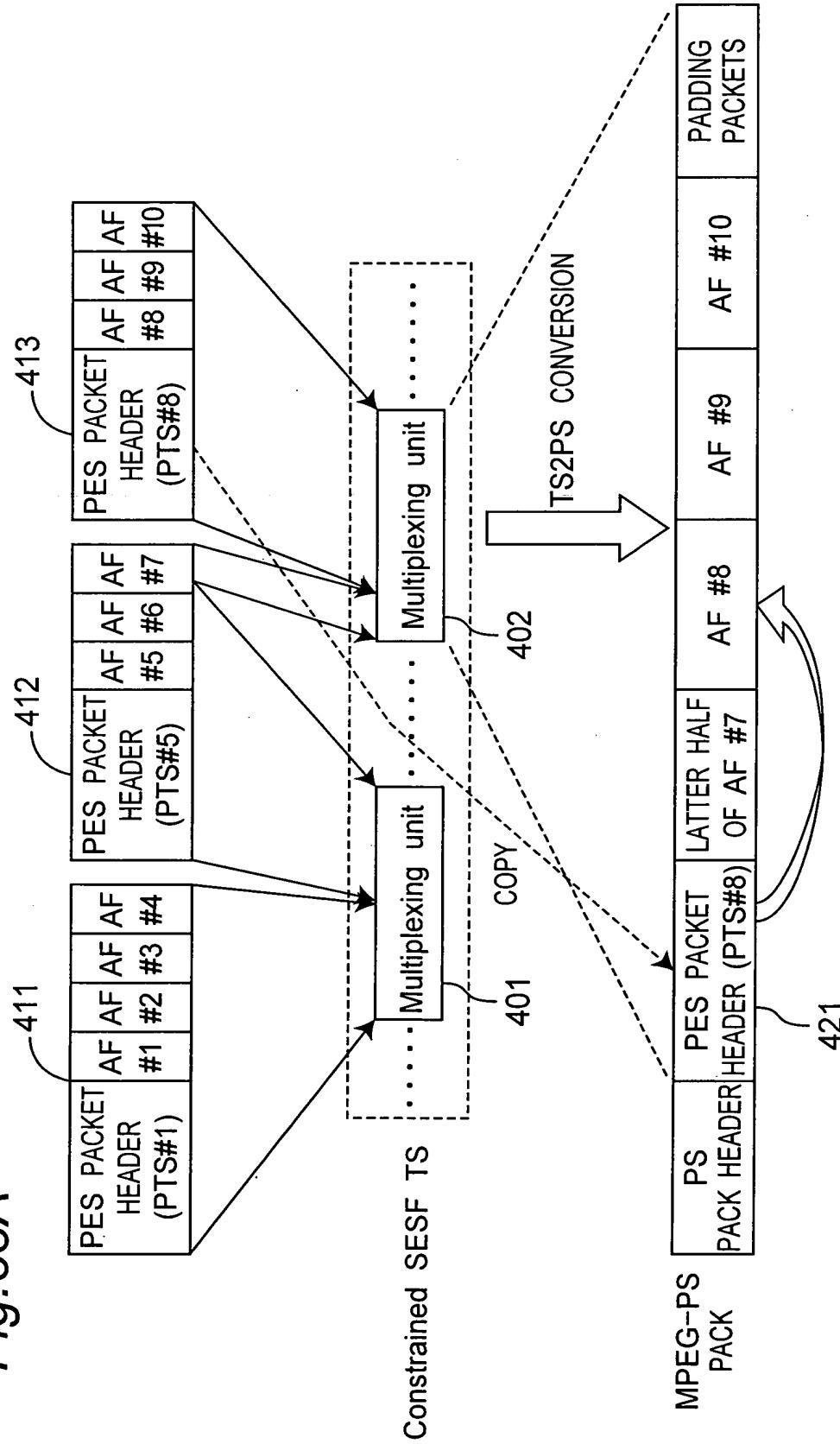


Fig.83B

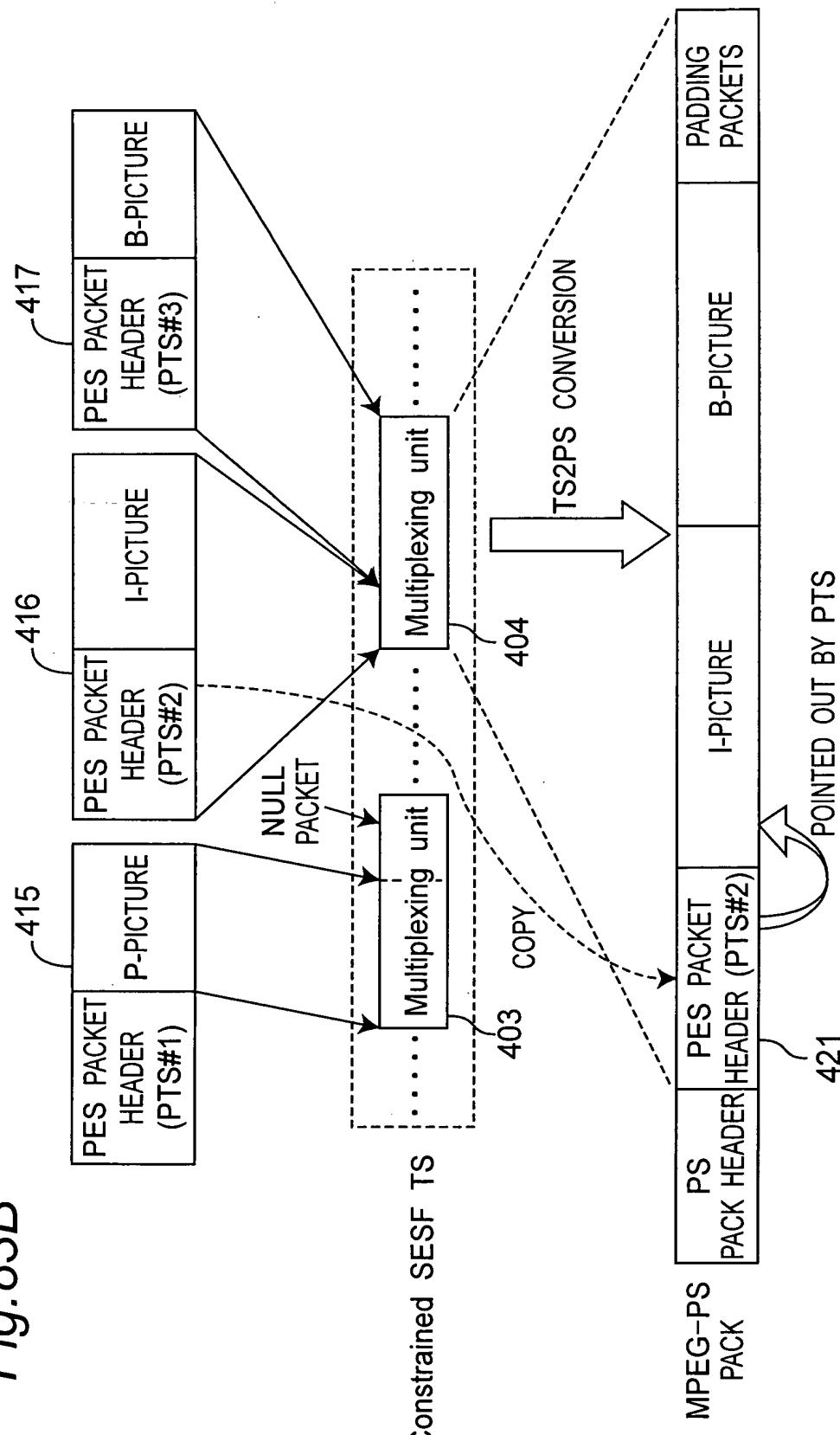


Fig. 84A

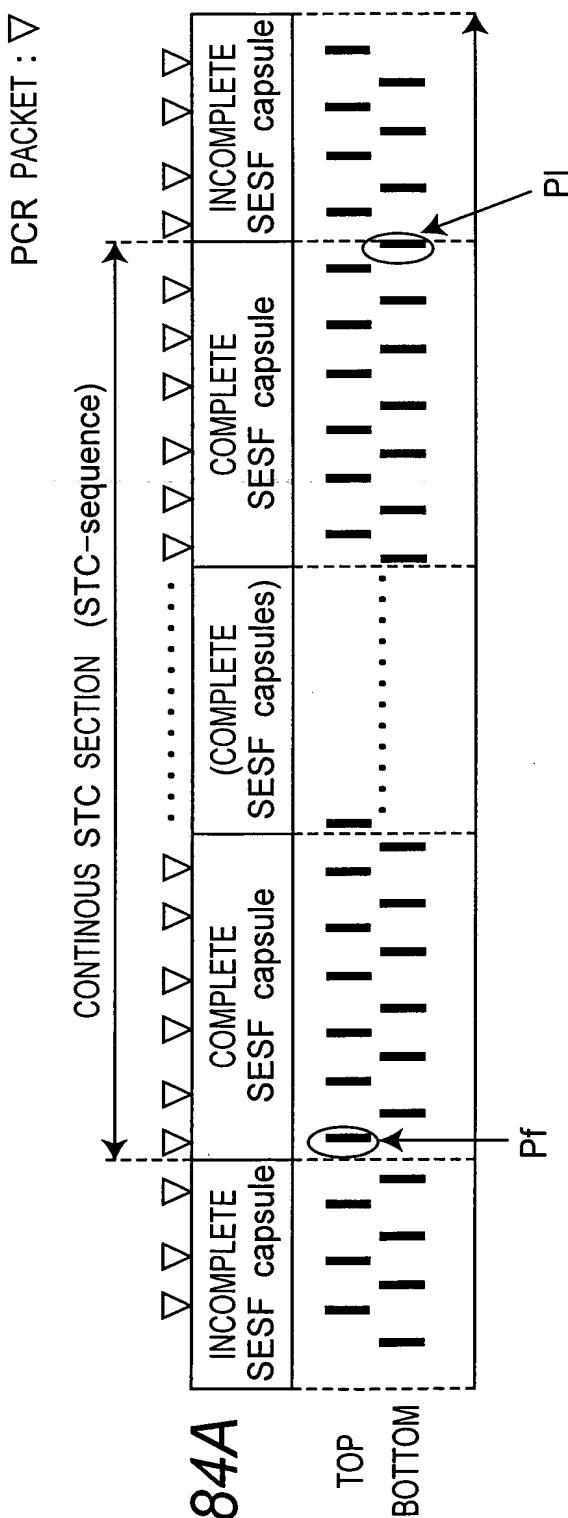


Fig. 84B

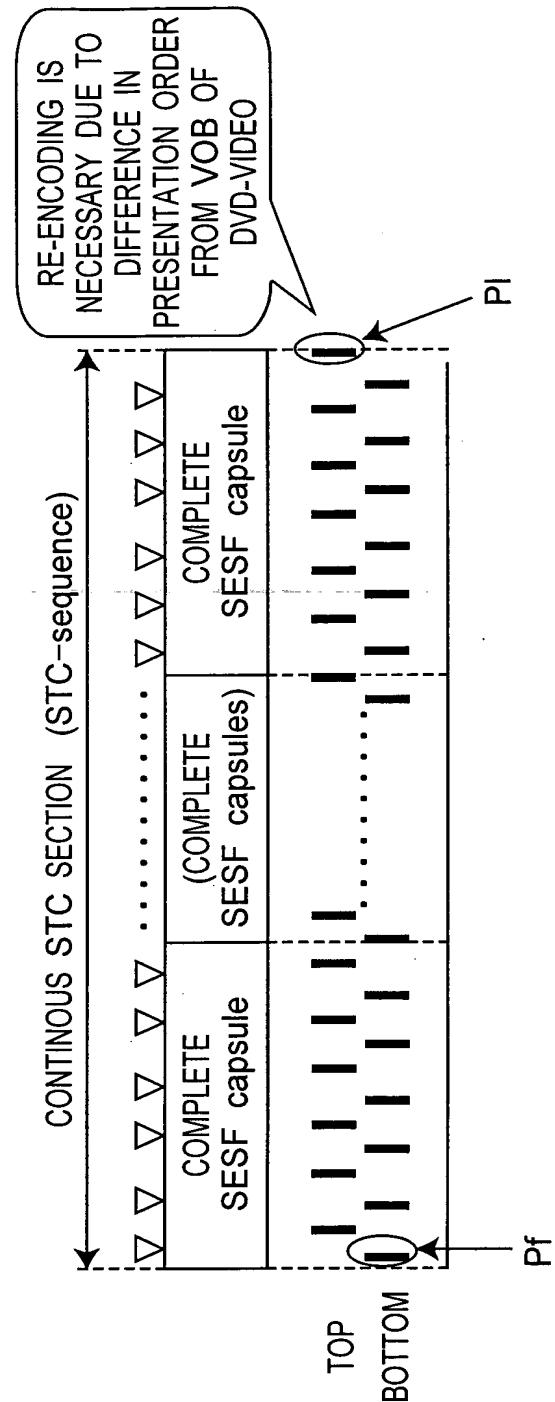


Fig. 85

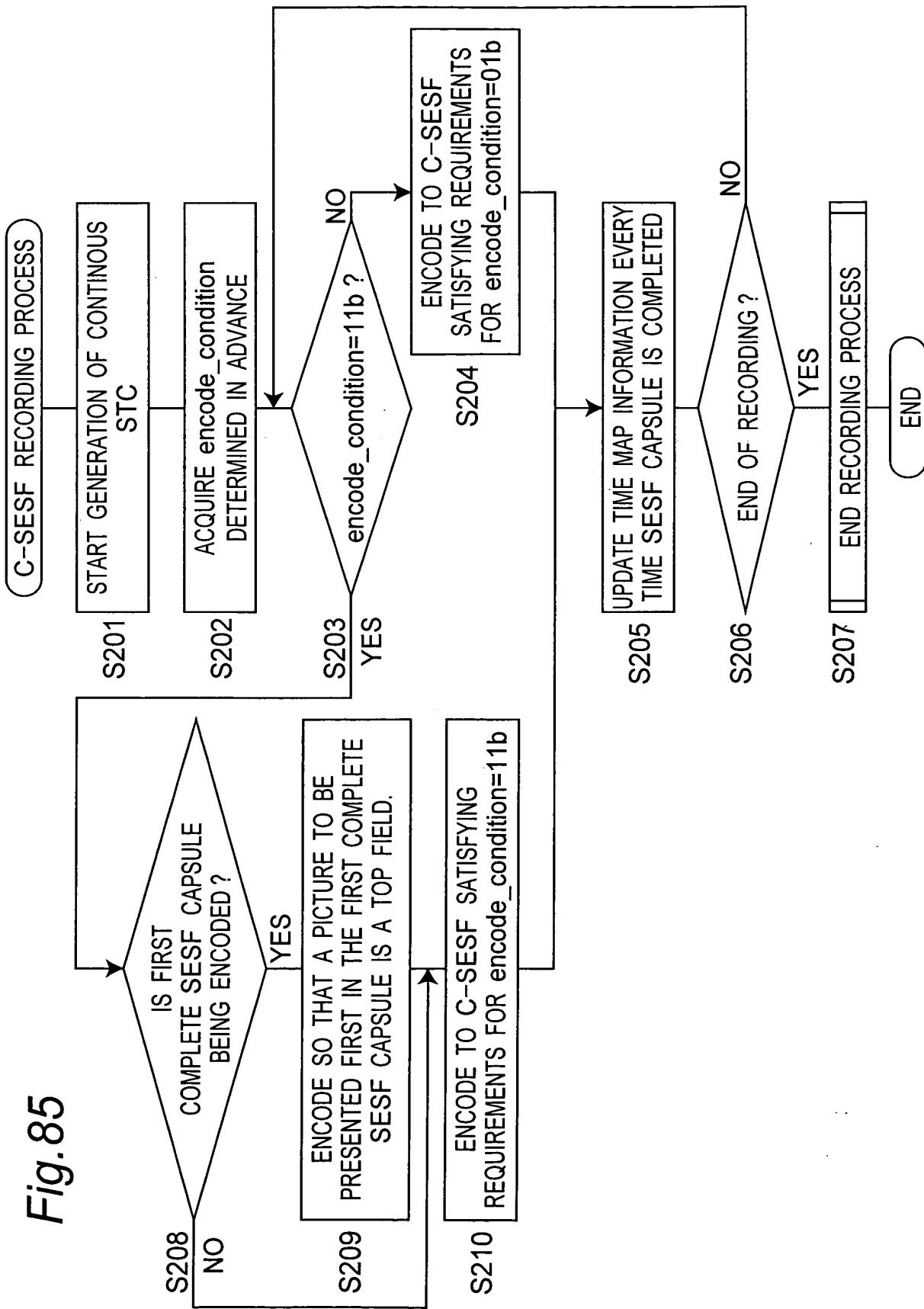


Fig. 86

